



**Missouri Department of Natural Resources**  
**Air Pollution Control Program**

# **PART 70**

## **PERMIT TO OPERATE**

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth herein.

**Operating Permit Number:** OP2012-042A  
**Expiration Date:** October 10, 2017  
**Installation ID:** 095-0002  
**Project Number:** 2012-11-057

**Installation Name and Address**

Buckeye Tank Terminals, LLC - Sugar Creek  
1315 N. Sterling Ave  
Sugar Creek, MO 64054  
Jackson County

**Parent Company's Name and Address**

Buckeye Partners LP  
9999 Hamilton Blvd  
Breinigsville, PA 18031

**Installation Description:**

The installation is a bulk petroleum products terminal with a total storage capacity of 1,249,867 barrels and is a named installation under 10 CSR 10-6.020(3)(B)22. The installation receives gasoline, ethanol, distillate fuel oil, and jet fuel from a pipeline for storage in tanks on site. Additives and/or denatured ethanol are added to the fuels during the tanker truck loading process which occurs within a loading rack. The gasoline/ethanol loading rack emissions are recovered in a vapor recovery unit (VRU) or combusted by a flare. The additives are received via truck and stored in tanks until usage. The installation receives products from the pipeline in batches resulting in some transmix generation. The installation stores the transmix in tanks on site. The installation is a major source of Volatile Organic Compounds (VOC).

This is an amended operating permit to revise the Reasonably Anticipated Operating Scenarios in Section V of the permit; therefore, the expiration date has not changed.

**MAR 04 2013**

Effective Date

Director or Designee  
Department of Natural Resources

## Table of Contents

<b>I. INSTALLATION DESCRIPTION AND EQUIPMENT LISTING .....</b>	<b>6</b>
<b>II. PLANT WIDE EMISSION LIMITATIONS.....</b>	<b>8</b>
PERMIT CONDITION PW001 .....	8
10 CSR 10-2.330 Control of Gasoline Reid Vapor Pressure.....	8
PERMIT CONDITION PW002 .....	9
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	9
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	9
PERMIT CONDITION PW003 .....	11
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	11
<b>III. EMISSION UNIT SPECIFIC EMISSION LIMITATIONS .....</b>	<b>12</b>
TANK 115 – GASOLINE.....	12
PERMIT CONDITION 115 - 001 .....	12
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	12
PERMIT CONDITION 115 - 002 .....	13
10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	13
PERMIT CONDITION 115 - 003 .....	14
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	14
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	14
TANK 117 – DENATURED ETHANOL .....	18
PERMIT CONDITION 117 - 001 .....	18
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	18
PERMIT CONDITION 117 - 002 .....	18
10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	18
TANK 118 – DISTILLATE FUEL OIL.....	19
PERMIT CONDITION 118 - 001 .....	19
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	19
TANK 330 – DISTILLATE FUEL OIL.....	20
PERMIT CONDITION 330 - 001 .....	20
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	20
TANK 331 – DISTILLATE FUEL OIL.....	21
PERMIT CONDITION 331 - 001 .....	21
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	21
TANK 332 – GASOLINE.....	21
PERMIT CONDITION 332 - 001 .....	21
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	21
PERMIT CONDITION 332 - 002 .....	22
10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	22
PERMIT CONDITION 332 - 003 .....	23
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	23
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	23
TANK 333 – GASOLINE.....	26
PERMIT CONDITION 333 - 001 .....	26
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	26
PERMIT CONDITION 333 - 002 .....	27
10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	27
PERMIT CONDITION 333 - 003 .....	28

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	28
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	28
TANK 334 – JET KEROSENE .....	32
PERMIT CONDITION 334 - 001 .....	32
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	32
TANK 335 – DISTILLATE FUEL OIL .....	33
PERMIT CONDITION 335 - 001 .....	33
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	33
TANK 336 – GASOLINE.....	33
PERMIT CONDITION 336 - 001 .....	33
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	33
PERMIT CONDITION 336 - 002 .....	34
10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	34
PERMIT CONDITION 336 - 003 .....	36
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	36
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	36
TANK 337 – GASOLINE.....	39
PERMIT CONDITION 337 - 001 .....	39
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	39
PERMIT CONDITION 337 - 002 .....	40
10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	40
PERMIT CONDITION 337 - 003 .....	41
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	41
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	41
TANK 338 – GASOLINE.....	45
PERMIT CONDITION 338 - 001 .....	45
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	45
PERMIT CONDITION 338 - 002 .....	46
10 CSR 10-6.060 Construction Permits Required .....	46
Construction Permit 0184-047 to 0184-050, Issued November 28, 1983.....	46
PERMIT CONDITION 338 - 003 .....	46
10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	46
PERMIT CONDITION 338 - 004 .....	47
10 CSR 10-6.070 New Source Performance Regulations.....	47
40 CFR Part60, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 .....	47
PERMIT CONDITION 338 - 005 .....	47
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	47
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	47
TANK 339 – JET KEROSENE .....	51
PERMIT CONDITION 339 - 001 .....	51
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	51
PERMIT CONDITION 339 - 002 .....	52
10 CSR 10-6.060 Construction Permits Required .....	52
Construction Permit 0184-047 to 0184-050, Issued November 28, 1983.....	52
TANK 340 – GASOLINE.....	52
PERMIT CONDITION 340 - 001 .....	52
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	52
PERMIT CONDITION 340 - 002 .....	53
10 CSR 10-6.060 Construction Permits Required .....	53
Construction Permit 0184-047 to 0184-050, Issued November 28, 1983.....	53
PERMIT CONDITION 340 - 003 .....	53

---

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	53
PERMIT CONDITION 340 - 004 .....	54
10 CSR 10-6.070 New Source Performance Regulations.....	54
40 CFR Part60, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 .....	54
PERMIT CONDITION 340 - 005 .....	55
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	55
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	55
TANK 351 – TRANSMIX .....	58
PERMIT CONDITION 351 - 001 .....	58
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	58
PERMIT CONDITION 351 - 002 .....	59
10 CSR 10-6.060 Construction Permits Required .....	59
Construction Permit 0184-047 to 0184-050, Issued November 28, 1983.....	59
PERMIT CONDITION 351 - 003 .....	59
10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	59
PERMIT CONDITION 351 - 004 .....	60
10 CSR 10-6.070 New Source Performance Regulations.....	60
40 CFR Part60, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 .....	60
PERMIT CONDITION 351 - 005 .....	61
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	61
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	61
LR1 – GASOLINE/ETHANOL LOADING RACK .....	64
PERMIT CONDITION LR1 - 001 .....	64
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	64
PERMIT CONDITION LR1 - 002 .....	65
10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer.....	65
PERMIT CONDITION LR1 - 003 .....	67
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations.....	67
40 CFR Part63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities .....	67
LR2 – DISTILLATE FUEL OIL LOADING RACK.....	74
PERMIT CONDITION LR2 - 001 .....	74
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	74
LR4 – JET KEROSENE LOADING RACK .....	75
PERMIT CONDITION LR4 - 001 .....	75
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	75
TANK 1 – PURADD AP-205-20 FUEL ADDITIVE .....	75
PERMIT CONDITION 1 - 001 .....	75
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	75
TANK 3 – PURADD AP-205-20 FUEL ADDITIVE .....	76
PERMIT CONDITION 3 - 001 .....	76
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	76
TANK 4 – PURADD AP-205-20 FUEL ADDITIVE .....	76
PERMIT CONDITION 4 - 001 .....	76
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	76
TANK 299 – PURADD AP-205-20 FUEL ADDITIVE .....	77
PERMIT CONDITION 299 - 001 .....	77
10 CSR 10-6.065(6)(C) Voluntary Limitation(s) .....	77
IC1 – EMERGENCY FIRE PUMP ENGINE .....	78
PERMIT CONDITION IC1 - 001 .....	78
10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds .....	78

---

PERMIT CONDITION IC1 - 002 .....	78
10 CSR 10-6.070 New Source Performance Regulations.....	78
40 CFR Part60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines .....	78
<b>IV. CORE PERMIT REQUIREMENTS .....</b>	<b>81</b>
<b>V. GENERAL PERMIT REQUIREMENTS.....</b>	<b>86</b>

## I. Installation Description and Equipment Listing

### INSTALLATION DESCRIPTION

The installation is a bulk petroleum products terminal with a total storage capacity of 1,249,867 barrels and is a named installation under 10 CSR 10-6.020(3)(B)22. The installation receives gasoline, ethanol, distillate fuel oil, and jet fuel from a pipeline for storage in tanks on site. Additives and/or denatured ethanol are added to the fuels during the tanker truck loading process which occurs within a loading rack. The gasoline/ethanol loading rack emissions are recovered in a VRU or combusted by a flare. The additives are received via truck and stored in tanks until usage. The installation receives products from the pipeline in batches resulting in some transmix generation. The installation stores the transmix in tanks on site. The installation is a major source of VOC.

<b>Reported Air Pollutant Emissions<sup>1</sup>, tons per year</b>					
<b>Pollutants</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>
Carbon Monoxide (CO)	4.75	1.84	1.84	1.07	3.39
Nitrogen Oxides (NO <sub>x</sub> )	1.90	0.73	0.73	0.43	1.36
Volatile Organic Compounds (VOC)	42.64	30.70	30.70	28.84	30.86
Hazardous Air Pollutants (HAPs)	1.86	2.17	2.17	1.91	1.86
Hexane (110-54-3)	0.97	1.05	1.05	0.97	0.99
Xylene (1330-20-7)	0.29	0.42	0.42	0.32	0.28
Toluene (108-88-3)	0.27	0.33	0.33	0.29	0.27
2,2,4-Trimethylpentane (540-84-1)	0.20	0.22	0.22	0.20	0.20
Benzene (71-43-2)	0.10	0.12	0.12	0.11	0.11
Ethylbenzene (100-41-4)	0.02	0.02	0.02	0.02	0.01
Naphthalene (91-20-3)	0.01	0.01	0.01	0.01	0.01

<sup>1</sup>Reported Air Pollutant Emissions were obtained from the installation's annual Missouri Emissions Inventory Questionnaire required by 10 CSR 10-6.110. The permittee is not required to report emissions below the reporting thresholds of: 0.438 tons/year for NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and VOC; 1 ton/year for CO, NO<sub>x</sub>, and SO<sub>2</sub>; 0.01 tons/year for Category One HAP; and 0.1 tons/year for Category Two HAP.

**EMISSION UNITS WITH LIMITATIONS**

The following list provides a description of the equipment at this installation that emits air pollutants and that are identified as having unit-specific emission limitations.

<b>Emission Unit</b>	<b>Description</b>
115	Domed External Floating Roof Gasoline Tank
117	Internal Floating Roof Denatured Ethanol Tank
118	Vertical Fixed Roof Distillate Fuel Oil Tank
330	Vertical Fixed Roof Distillate Fuel Oil Tank
331	Vertical Fixed Roof Distillate Fuel Oil Tank
332	Internal Floating Roof Gasoline Tank
333	Domed External Floating Roof Gasoline Tank
334	Vertical Fixed Roof Jet Kerosene Tank
335	Vertical Fixed Roof Distillate Fuel Oil Tank
336	Domed External Floating Roof Gasoline Tank
337	Domed External Floating Roof Gasoline Tank
338	Internal Floating Roof Gasoline Tank
339	Vertical Fixed Roof Jet Kerosene Tank
340	Internal Floating Roof Gasoline Tank
351	Internal Floating Roof Transmix Tank
LR1	Gasoline Loading Rack - VRU and VCU
LR2	Distillate Fuel Oil Loading Rack
LR4	Jet Kerosene Loading Rack
1	Vertical Fixed Roof PURADD AP-205-20 Fuel Additive Tank
3	Vertical Fixed Roof PURADD AP-205-20 Fuel Additive Tank
4	Vertical Fixed Roof PURADD AP-205-20 Fuel Additive Tank
299	Vertical Fixed Roof PURADD AP-205-20 Fuel Additive Tank
IC1	173 HP Diesel Emergency Fire Pump

**EMISSION UNITS WITHOUT LIMITATIONS**

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

<b>Emission Unit</b>	<b>Description</b>
FUG	Plantwide Fugitive Emissions
5	8,000 gallon Horizontal Fixed Roof Invigorate Fuel Additive Tank
6	300 lb LTS Fuel Additive Tote
10	300 lb Red Dye Fuel Additive Tote
11	500 lb Guardian Fuel Additive Tote
12	4,000 gallon Horizontal Fixed Roof PURADD AP-205-20 Fuel Additive Tank
13	4,000 gallon Horizontal Fixed Roof PURADD AP-205-20 Fuel Additive Tank

## II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

### PERMIT CONDITION PW001

#### 10 CSR 10-2.330 Control of Gasoline Reid Vapor Pressure

##### Operational Limitations:

1. The permittee shall not sell, dispense, supply, offer for sale, offer for supply, transport or exchange in trade for use gasoline intended for final use in Clay, Platte, and/or Jackson counties that exceeds the Reid Vapor Pressure (RVP) limit in 10 CSR 10-2.330(3)(B). [10 CSR 10-2.330(3)(A)]
2. The RVP of gasoline subject to this rule shall be restricted to 7.0 psi or less during the time period from June 1<sup>st</sup> to September 15<sup>th</sup> each year. [10 CSR 10-2.330(3)(B)]
3. Gasoline blends having at least nine percent but not more than ten percent ethyl alcohol by volume of the blended mixture shall have an RVP limit of 1.0 psi higher than the limit contained in 10 CSR 10-2.330(3)(B). [10 CSR 10-2.330(3)(C)]
4. Exemptions: [10 CSR 10-2.330(8)]
  - a) Gasoline that exceeds the RVP limits will not violate this rule if the gasoline is separately stored, sealed, clearly labeled and not used until it is in compliance with this rule. The label shall state that the gasoline is prohibited by Missouri law from being sold, dispensed, supplied, offered for sale, offered for supply, transported or exchanged in trade until the specific date that the gasoline shall be in compliance with this rule. [10 CSR 10-2.330(8)(A)]
  - b) Federal specification reformulated gasoline (RFG) fully satisfies the requirements of 10 CSR 10-2.330(3). [10 CSR 10-2.330(8)(E)]

##### Monitoring:

1. Gasoline testing shall follow the procedures contained in ASTM D5191 or D6378.
2. To determine compliance when field analysis indicates the RVP is between 7.0 psi and 7.3 psi for conventional gasoline or between 8.0 psi and 8.3 psi for nine to ten percent ethyl alcohol blends, Missouri Department of Natural Resources will conduct additional testing. Additional testing shall include independent analysis by three separate laboratories of three independent samples taken sequentially, in accordance with 10 CSR 10-2.330(4) and (5). If all of the measured RVP of the samples are above 7.0 psi for conventional gasoline or above 8.0 psi for nine to ten percent ethyl alcohol blends, the department may take enforcement action. [10 CSR 10-2.330(5)(B)]

##### Recordkeeping:

1. The permittee shall retain records of any RVP testing and test results during the compliance period specified in 10 CSR 10-2.330(3). These records shall be retained for at least five years after the date of a completed RVP test. These records shall be made available immediately upon request for review or duplication by Department of Natural Resources personnel and city and county personnel certified under §643.140, RSMo. [10 CSR 10-2.330(6)(A)]

2. Each bill of lading, invoice, loading ticket, delivery ticket, and other document that accompanies a shipment of gasoline (which includes gasoline blended with ethyl alcohol) shall contain a legible and conspicuous statement that the RVP of the gasoline does not exceed 7.0 psi, in accordance with this rule for conventional gasoline, or that the RVP does not exceed 8.0 psi for nine to ten percent ethyl alcohol blends. [10 CSR 10-2.330(6)(B)]
3. Each bill of lading, invoice, loading ticket, delivery ticket, and other document which accompanies a shipment of gasoline containing ethyl alcohol shall contain a legible and conspicuous statement that the gasoline being shipped contains ethyl alcohol and that the percentage concentration of ethyl alcohol is between nine percent to ten percent, as required under 10 CSR 10-2.330(3)(C). [10 CSR 10-2.330(6)(C)]
4. The permittee shall retain records of the bill of lading, invoice, loading ticket, delivery ticket, and other documents accompanying a shipment of gasoline during the compliance period specified in 10 CSR 10-2.330(3). These records shall be retained for at least five years after the date of delivery. These records shall be made available immediately upon request for review or duplication by Department of Natural Resources personnel and city and county personnel certified under §643.140, RSMo. [10 CSR 10-2.330(6)(D)]
5. The director may require additional recordkeeping on a case-by-case basis. The director may require records be retained for additional periods of time for enforcement compliance. [10 CSR 10-2.330(6)(E)]

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after gasoline sampling demonstrates an exceedance of the limit.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION PW002**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations  
40 CFR Part 63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source  
Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. The permittee shall perform a monthly leak inspection of all equipment in gasoline service, as defined in §63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. [§63.11089(a)]
3. A log book shall be used and shall be signed by the permittee at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [§63.11089(b)]
4. Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than five calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in §63.11089(d). [§63.11089(c)]

5. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The permittee shall provide in the semi-annual report specified in §63.11095(b), the reason(s) why the repair was not feasible and the date each repair was completed. [§63.11089(d)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). [§63.11093(b)]
2. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. If the permittee elects to implement an instrument program under §63.11089, the record shall contain a full description of the program. [§63.11094(d)]
2. The permittee shall record in the log book for each leak that is detected the following information: [§63.11094(e)]
  - a) The equipment type and identification number. [§63.11094(e)(1)]
  - b) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell). [§63.11094(e)(2)]
  - c) The date the leak was detected and the date of each attempt to repair the leak. [§63.11094(e)(3)]
  - d) Repair methods applied in each attempt to repair the leak. [§63.11094(e)(4)]
  - e) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. [§63.11094(e)(5)]
  - f) The expected date of successful repair of the leak if the leak is not repaired within 15 days. [§63.11094(e)(6)]
  - g) The date of successful repair of the leak. [§63.11094(e)(7)]
3. The permittee shall retain the following records: [§63.11094(g)]
  - a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
  - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
4. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
5. Records may be kept electronically or in paper form.

**Reporting:**

1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) The number of equipment leaks not repaired within 15 days after detection. [§63.11095(a)(3)]
2. The permittee shall submit an excess emissions report to the Administrator at the time the semi-annual compliance report is submitted. Excess emissions events under 40 CFR Part 63, Subpart BBBBBB, and the information to be included in the excess emissions report, are specified as follows: [§63.11095(b)]
  - a) For each occurrence of an equipment leak for which no repair attempt was made within five days or for which repair was not completed within 15 days after detection: [§63.11095(b)(5)]
    - i) The date on which the leak was detected; [§63.11095(b)(5)(i)]
    - ii) The date of each attempt to repair the leak; [§63.11095(b)(5)(ii)]
    - iii) The reasons for the delay of repair; and [§63.11095(b)(5)(iii)]
    - iv) The date of successful repair. [§63.11095(b)(5)(iv)]

3. The permittee shall submit a semi-annual excess emissions report, including the information specified in §63.11095(a)(3) and (b)(5), only for a six-month period during which an excess emission event has occurred. If no excess emission events have occurred during the previous six-month period, no report is required. [§63.11095(c)]
4. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
5. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION PW003**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

**Operational Limitations:**

1. Roof landing of Tanks 115, 117, 332, 333, 336, 337, 338, 340, and 351 shall not exceed 27 roof landings from all tanks combined in any 12 month period.
2. Degas/Cleaning of Tanks 118, 330, 331, 334, 335, and 339 shall not exceed one degas/cleaning from all tanks combined in any 12 month period.
3. Degas/Cleaning of Tanks 115, 333, 336, and 337 shall not exceed two degas/cleaning from all tanks combined in any 12 month period.
4. The permittee may request additional roof landings and/or degas/cleaning from the Air Pollution Control Program's Enforcement Section. The additional roof landing and/or degas/cleaning shall not occur until approval is granted.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for the installation noting the date and time of each roof landing and/or degas/cleaning and the tank. The permittee shall retain a 12 month rolling total of roof landings and degas/cleanings.
2. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be kept electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after an exceedance of the operational limitations.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and annual compliance certification required by Section V of this permit.

### III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the CFR and CSR for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

#### **Tank 115 – Gasoline**

1.87 Million Gallon Domed External Floating Roof Tank, Constructed in 1920

#### **PERMIT CONDITION 115 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

1. The permittee shall only store gasoline or other petroleum liquids which have the same or lower emissions of VOC and HAP than gasoline within Tank 115.
2. The permittee shall limit the throughput of Tank 115 to 45,990,726 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 10.3701 psia within Tank 115. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

#### **Monitoring/Recordkeeping:**

1. The permittee shall maintain a log for Tank 115, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 115 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be kept electronically or in paper form.

#### **Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 115 - 002**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

**Operational Limitations:**

1. The permittee shall not store any petroleum liquid having a true vapor pressure of 1.5 psia or greater at 90°F, unless the storage tank is a pressure tank capable of maintaining working pressures sufficient at all times to prevent VOC vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices: [10 CSR 10-2.260(3)(A)1]
  - a) A floating roof, consisting of a pontoon type, double-deck type or internal floating cover, or external floating cover, that rests on the surface of the liquid contents and is equipped with a closure seal(s) to close the space between the roof edge and tank wall. Storage tanks with external floating roofs shall meet the additional following requirements: [10 CSR 10-2.260(3)(A)1.A]
    - i) The storage tank shall be fitted with either — [10 CSR 10-2.260(3)(A)1.A(I)]
      - (1) A continuous secondary seal extending from the floating roof to the tank wall (rim-mounted secondary seal); or [10 CSR 10-2.260(3)(A)1.A(I)(a)]
      - (2) A closure or other device approved by the staff director that controls VOC emissions with an effectiveness equal to or greater than a seal required under 10 CSR 10-2.260(3)(A)1.A(I)(a); [10 CSR 10-2.260(3)(A)1.A(I)(b)]
    - ii) All seal closure devices shall meet the following requirements: [10 CSR 10-2.260(3)(A)1.A(II)]
      - (1) There are no visible holes, tears or other openings in the seal(s) or seal fabric; [10 CSR 10-2.260(3)(A)1.A(II)(a)]
      - (2) The seal(s) is intact and uniformly in place around the circumference of the floating roof between the floating roof and the tank wall; and [10 CSR 10-2.260(3)(A)1.A(II)(b)]
      - (3) For vapor-mounted primary seals, the accumulated area of gaps exceeding 1/8 inch width, between the secondary seal and the tank wall shall not exceed 1.0 in<sup>2</sup> per foot of tank diameter; [10 CSR 10-2.260(3)(A)1.A(II)(c)]
    - iii) All openings in the external floating roof, except for automatic bleeder vents, rim space vents and leg sleeves shall be equipped with — [10 CSR 10-2.260(3)(A)1.A(III)]
      - (1) Covers, seals or lids in the closed position except when the openings are in actual use; and [10 CSR 10-2.260(3)(A)1.A(III)(a)]
      - (2) Projections into the tank which remain below the liquid surface at all times; [10 CSR 10-2.260(3)(A)1.A(III)(b)]
    - iv) Automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports; [10 CSR 10-2.260(3)(A)1.A(IV)]
    - v) Rim vents shall be set to open when the roof is being floated off the leg supports or at the manufacturer's recommended setting; and [10 CSR 10-2.260(3)(A)1.A(V)]
    - vi) Emergency roof drains shall have slotted membrane fabric covers or equivalent covers which cover at least 90 percent of the area of the opening; [10 CSR 10-2.260(3)(A)1.A(VI)]
  - b) A vapor recovery system with all storage tank gauging and sampling devices gas-tight, except when gauging or sampling is taking place. The vapor disposal portion of the vapor recovery system shall consist of an adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapor and gases from the equipment being controlled; or [10 CSR 10-2.260(3)(A)1.B]
  - c) Other equipment or means of equal efficiency for purposes of air pollution control as approved by the staff director. [10 CSR 10-2.260(3)(A)1.C]
2. The control equipment described in 10 CSR 10-2.260(3)(A)1.A shall not be allowed if the petroleum liquid other than gasoline has a true vapor pressure of 11.1 psia or greater at 90 °F. All storage tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [10 CSR 10-2.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall maintain written records of maintenance (both routine and unscheduled) performed on the tank, all repairs made, the results of all tests performed and the type and quantity of petroleum liquid stored. [10 CSR 10-2.260(3)(A)3]
2. The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be kept electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 115 - 003**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations  
40 CFR Part 63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source  
Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Definitions:**

1. As used in 40 CFR Part 63, Subpart BBBBBB, all terms not defined herein shall have the meaning given them in the Clean Air Act (CAA), in 40 CFR Part 60, Subparts A, K, Ka, Kb, and XX or in 40 CFR Part 63, Subparts A, R, and WW. All terms defined in both 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subparts A, R, and WW shall have the meaning given in 40 CFR Part 63, Subparts A, R, and WW. For purposes of 40 CFR Part 63, Subpart BBBBBB, definitions in §63.11100 supersede definitions in other parts or subparts of 40 CFR. [§63.11100]
2. Internal floating roof (IFR) means a floating roof located in a storage vessel with a fixed roof. For the purposes of 40 CFR 63, Subpart WW, an external floating roof located in a storage vessel to which a fixed roof has been added is considered to be an internal floating roof. [§63.1061]

**Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. The permittee shall equip each floating roof gasoline storage tank according to the applicable requirements in §63.1063(a)(1) and (b), except for the secondary seal requirements under §63.1063(a)(1)(i)(C) and (D). [§63.11087(a) and 2(b) of Table 1 to 40 CFR Part 63, Subpart BBBBBB]
  - a) Design requirements — [§63.1063(a)]
    - i) Rim seals. [§63.1063(a)(1)]
      - (1) Internal floating roof. An IFR shall be equipped with one of the following seal configurations: [§63.1063(a)(1)(i)]
        - (a) A liquid-mounted seal. [§63.1063(a)(1)(i)(A)]
        - (b) A mechanical shoe seal. [§63.1063(a)(1)(i)(B)]
    - b) Operational requirements. [§63.1063(b)]
      - i) The floating roof shall float on the stored liquid surface at all times, except when the floating roof is supported by its leg supports or other support devices (e.g., hangers from the fixed roof). [§63.1063(b)(1)]

- ii) When the storage vessel is storing liquid, but the liquid depth is insufficient to float the floating roof, the process of filling to the point of refloating the floating roof shall be continuous and shall be performed as soon as practical. [§63.1063(b)(2)]
  - iii) Each cover over an opening in the floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall be closed at all times, except when the cover must be open for access. [§63.1063(b)(3)]
  - iv) Each automatic bleeder vent (vacuum breaker vent) and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design. [§63.1063(b)(4)]
  - v) Each unslotted guidepole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. [§63.1063(b)(5)]
3. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart BBBBBB, except that storage vessels equipped with floating roofs and not meeting the requirements §63.11087(a) shall be in compliance at the first degassing and cleaning activity after January 10, 2011 or by January 10, 2018, whichever is first. [§63.11087(b)]

**Testing/Monitoring:**

1. The permittee shall comply with the following requirements: [§63.11092(e)]
- a) The permittee shall perform inspections of the floating roof system according to the requirements of §63.1063(c)(1). [§63.11092(e)(1)]
    - i) Internal floating roofs shall be inspected as specified in §63.1063(d)(1) before the initial filling of the storage vessel. Subsequent inspections shall be performed as follows: [§63.1063(c)(1)]
      - (1) Internal floating roofs shall be inspected as follows: [§63.1063(c)(1)(i)]
        - (a) At least once per year the IFR shall be inspected as specified in §63.1063(d)(2). [§63.1063(c)(1)(i)(A)]
        - (b) Each time the storage vessel is completely emptied and degassed, or every ten years, whichever occurs first, the IFR shall be inspected as specified in §63.1063(d)(1). [§63.1063(c)(1)(i)(B)]
      - (2) Instead of the inspection frequency specified in §63.1063(c)(1)(i), internal floating roofs with two rim seals may be inspected as specified in §63.1063(d)(1) each time the storage vessel is completely emptied and degassed, or every five years, whichever occurs first. [§63.1063(c)(1)(ii)]
    - ii) Floating roof inspections shall be conducted as specified in §63.1063(d)(1) through (3), as applicable. If a floating roof fails an inspection, the permittee shall comply with the repair requirements of §63.1063(e). [§63.1063(d)]
      - (1) Floating roof inspections shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seals from within the storage vessel. The inspection may be performed entirely from the top side of the floating roof, as long as there is visual access to all deck components specified in §63.1063(a). Any of the following conditions constitutes inspection failure: [§63.1063(d)(1)]
        - (a) Stored liquid on the floating roof. [§63.1063(d)(1)(i)]
        - (b) Holes or tears in the primary or secondary seal (if one is present). [§63.1063(d)(1)(ii)]
        - (c) Floating roof deck, deck fittings, or rim seals that are not functioning as designed (as specified in §63.1063(a)). [§63.1063(d)(1)(iii)]
        - (d) Failure to comply with the operational requirements of §63.1063(b). [§63.1063(d)(1)(iv)]
        - (e) Gaps of more than  $\frac{1}{8}$  inch between any deck fitting gasket, seal, or wiper (required by §63.1063(a)) and any surface that it is intended to seal. [§63.1063(d)(1)(v)]

- (2) Tank-top inspections of IFR's shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seal through openings in the fixed roof. Any of the conditions described in §63.1063(d)(1)(i) through (iv) constitutes inspection failure. Identification of holes or tears in the rim seal is required only for the seal that is visible from the top of the storage vessel.  
[§63.1063(d)(2)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). The Notification of Compliance Status shall specify which of the compliance options included in Table 1 to 40 CFR Part 63, Subpart BBBBBB is used to comply with 40 CFR Part 63, Subpart BBBBBB. [§63.11093(b)]
2. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall retain records as specified in §63.1065. [§63.11094(a)]
  - a) The permittee shall retain the records required in §63.1065(a) for as long as liquid is stored. Records required in §63.1065(b), (c), and (d) shall be retained for at least five years. Records shall be retained in such a manner that they can be readily accessed within 24 hours. Records may be retained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche. [§63.1065]
    - i) A record shall be retained of the dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored. [§63.1065(a)]
    - ii) Records of floating roof inspection results shall be retained as follows: [§63.1065(b)]
      - (1) If the floating roof passes inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) and (ii). If the floating roof fails inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) through (v). [§63.1065(b)(1)]
        - (a) Identification of the storage vessel that was inspected. [§63.1065(b)(1)(i)]
        - (b) The date of the inspection. [§63.1065(b)(1)(ii)]
        - (c) A description of all inspection failures. [§63.1065(b)(1)(iii)]
        - (d) A description of all repairs and the dates they were made. [§63.1065(b)(1)(iv)]
        - (e) The date the storage vessel was removed from service, if applicable. [§63.1065(b)(1)(v)]
      - iii) The permittee shall retain a record of the date when a floating roof is set on its legs or other support devices. The permittee shall also retain a record of the date when the roof was refloated, and the record shall indicate whether the process of refloating was continuous. [§63.1065(c)]
      - iv) If the permittee elects to use an extension in accordance with §63.1063(c)(2)(iv)(B), the permittee shall retain the documentation required by those paragraphs. [§63.1065(d)]
  2. The permittee shall retain the following records: [§63.11094(g)]
    - a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
    - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
  3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
  4. Records may be kept electronically or in paper form.

**Reporting:**

1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) The information specified in §63.1066. [§63.11095(a)(1)]
    - i) The content of the notification of initial startup shall include (at a minimum) the following information: [§63.1066(a)]
      - (1) The identification of each storage vessel, its capacity and the liquid stored in the storage vessel. [§63.1066(a)(1)]
      - (2) A statement of whether the permittee can achieve compliance by the compliance date. [§63.1066(a)(2)]
    - ii) Report the information specified in §63.1066(b)(1) through (4), as applicable, in the periodic report. [§63.1066(b)]
      - (1) Notification of inspection. To provide the Administrator the opportunity to have an observer present, the permittee shall notify the Administrator at least 30 days before an inspection required by §63.1063(d)(1). If an inspection is unplanned and the permittee could not have known about the inspection 30 days in advance, then the permittee shall notify the Administrator at least seven days before the inspection. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven days before the inspection. If a delegated state or local agency is notified, the permittee is not required to notify the Administrator. A delegated state or local agency may waive the requirement for notification of inspections. [§63.1066(b)(1)]
      - (2) The permittee shall submit a copy of the inspection record (required in §63.1065) when inspection failures occur. [§63.1066(b)(2)]
      - (3) If the permittee requests the use of an alternate control device, the permittee shall submit a written application including emissions test results and an analysis demonstrating that the alternate device has an emission factor that is less than or equal to the device specified in §63.1063. [§63.1066(b)(3)]
      - (4) If the permittee elects to use an extension in accordance with or §63.1063(c)(2)(iv)(B), the permittee shall submit the documentation required by that paragraph. [§63.1066(b)(4)]
  - b) For storage vessels complying with §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 §63.11093. [§63.11095(a)(4)]
2. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
3. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

## **Tank 117 – Denatured Ethanol**

634,000 Gallon Internal Floating Roof Tank, Constructed in 1930

### **PERMIT CONDITION 117 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

1. The permittee shall only store denatured ethanol or other petroleum liquids which have the same or lower emissions of VOC and HAP than denatured ethanol within Tank 117.
2. The permittee shall limit the throughput of Tank 117 to 250,001,948 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 2.4231 psia within Tank 117. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

#### **Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 117, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall maintain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 117 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be kept electronically or in paper form.

#### **Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **PERMIT CONDITION 117 - 002**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

#### **Operational Limitations:**

1. The permittee shall not store any petroleum liquid having a true vapor pressure of 1.5 psia or greater at 90°F, unless the storage tank is a pressure tank capable of maintaining working pressures sufficient at all times to prevent VOC vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices: [10 CSR 10-2.260(3)(A)1]
  - a) A floating roof, consisting of a pontoon type, double-deck type or internal floating cover, or external floating cover, that rests on the surface of the liquid contents and is equipped with a closure seal(s) to close the space between the roof edge and tank wall. [10 CSR 10-2.260(3)(A)1.A]

- b) A vapor recovery system with all storage tank gauging and sampling devices gas-tight, except when gauging or sampling is taking place. The vapor disposal portion of the vapor recovery system shall consist of an adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapor and gases from the equipment being controlled; or [10 CSR 10-2.260(3)(A)1.B]
  - c) Other equipment or means of equal efficiency for purposes of air pollution control as approved by the staff director. [10 CSR 10-2.260(3)(A)1.C]
2. The control equipment described in 10 CSR 10-2.260(3)(A)1.A shall not be allowed if the petroleum liquid other than gasoline has a true vapor pressure of 11.1 psia or greater at 90°F. All storage tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [10 CSR 10-2.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall maintain written records of maintenance (both routine and unscheduled) performed on the tank, all repairs made, the results of all tests performed and the type and quantity of petroleum liquid stored. [10 CSR 10-2.260(3)(A)3]
2. The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be kept electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**Tank 118 – Distillate Fuel Oil**

641,000 Gallon Vertical Fixed Roof Tank, Constructed in 1930

**PERMIT CONDITION 118 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

**Operational Limitations:**

1. The permittee shall only store distillate fuel oil or other petroleum liquids which have the same or lower emissions of VOC and HAP than distillate fuel oil within Tank 118.
2. The permittee shall limit the throughput of Tank 118 to 47,997,757 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 0.01 psia within Tank 118. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 118, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 118 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.

3. The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be kept electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**Tank 330 – Distillate Fuel Oil**

4.54 Million Gallon Vertical Fixed Roof Tank, Constructed in 1955

**PERMIT CONDITION 330 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

**Operational Limitations:**

1. The permittee shall only store distillate fuel oil or other petroleum liquids which have the same or lower emissions of VOC and HAP than distillate fuel oil within Tank 330.
2. The permittee shall limit the throughput of Tank 330 to 330,007,138 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 0.01 psia within Tank 330. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 330, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 330 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be kept electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 331 – Distillate Fuel Oil**

4.53 Million Gallon Vertical Fixed Roof Tank, Constructed in 1955

#### **PERMIT CONDITION 331 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

##### **Operational Limitations:**

1. The permittee shall only store distillate fuel oil or other petroleum liquids which have the same or lower emissions of VOC and HAP than distillate fuel oil within Tank 331.
2. The permittee shall limit the throughput of Tank 331 to 264,095,919 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 0.01 psia within Tank 331. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

##### **Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 331, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 331 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be kept electronically or in paper form.

##### **Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 332 – Gasoline**

4.39 Million Gallon Internal Floating Roof Tank, Constructed in 1952

#### **PERMIT CONDITION 332 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

##### **Operational Limitations:**

1. The permittee shall only store gasoline or other petroleum liquids which have the same or lower emissions of VOC and HAP than gasoline within Tank 332.

2. The permittee shall limit the throughput of Tank 332 to 375,012,524 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 10.3701 psia within Tank 332. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 332, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 332 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be kept electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 332 - 002**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

**Operational Limitations:**

1. The permittee shall not store any petroleum liquid having a true vapor pressure of 1.5 psia or greater at 90°F, unless the storage tank is a pressure tank capable of maintaining working pressures sufficient at all times to prevent VOC vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices: [10 CSR 10-2.260(3)(A)1]
  - a) A floating roof, consisting of a pontoon type, double-deck type or internal floating cover, or external floating cover, that rests on the surface of the liquid contents and is equipped with a closure seal(s) to close the space between the roof edge and tank wall. [10 CSR 10-2.260(3)(A)1.A]
  - b) A vapor recovery system with all storage tank gauging and sampling devices gas-tight, except when gauging or sampling is taking place. The vapor disposal portion of the vapor recovery system shall consist of an adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapor and gases from the equipment being controlled; or [10 CSR 10-2.260(3)(A)1.B]
  - c) Other equipment or means of equal efficiency for purposes of air pollution control as approved by the staff director. [10 CSR 10-2.260(3)(A)1.C]
2. The control equipment described in 10 CSR 10-2.260(3)(A)1.A shall not be allowed if the petroleum liquid other than gasoline has a true vapor pressure of 11.1 psia or greater at 90°F. All storage tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [10 CSR 10-2.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall maintain written records of maintenance (both routine and unscheduled) performed on the tank, all repairs made, the results of all tests performed and the type and quantity of petroleum liquid stored. [10 CSR 10-2.260(3)(A)3]
2. The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be kept electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 332 - 003**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations  
40 CFR Part 63, Subpart BBBB – National Emission Standards for Hazardous Air Pollutants for Source  
Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. The permittee shall equip each floating roof gasoline storage tank according to the applicable requirements in §63.1063(a)(1) and (b), except for the secondary seal requirements under §63.1063(a)(1)(i)(C) and (D). [§63.11087(a) and 2(b) of Table 1 to 40 CFR Part 63, Subpart BBBB]
  - a) Design requirements — [§63.1063(a)]
    - i) Rim seals. [§63.1063(a)(1)]
      - (1) Internal floating roof. An IFR shall be equipped with one of the following seal configurations: [§63.1063(a)(1)(i)]
        - (a) A liquid-mounted seal. [§63.1063(a)(1)(i)(A)]
        - (b) A mechanical shoe seal. [§63.1063(a)(1)(i)(B)]
    - b) Operational requirements. [§63.1063(b)]
      - i) The floating roof shall float on the stored liquid surface at all times, except when the floating roof is supported by its leg supports or other support devices (e.g., hangers from the fixed roof). [§63.1063(b)(1)]
      - ii) When the storage vessel is storing liquid, but the liquid depth is insufficient to float the floating roof, the process of filling to the point of refloating the floating roof shall be continuous and shall be performed as soon as practical. [§63.1063(b)(2)]
      - iii) Each cover over an opening in the floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall be closed at all times, except when the cover must be open for access. [§63.1063(b)(3)]
      - iv) Each automatic bleeder vent (vacuum breaker vent) and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design. [§63.1063(b)(4)]
      - v) Each unslotted guidepole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. [§63.1063(b)(5)]

3. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart BBBBBB, except that storage vessels equipped with floating roofs and not meeting the requirements §63.11087(a) shall be in compliance at the first degassing and cleaning activity after January 10, 2011 or by January 10, 2018, whichever is first. [§63.11087(b)]

**Testing/Monitoring:**

1. The permittee shall comply with the following requirements: [§63.11092(e)]
  - a) The permittee shall perform inspections of the floating roof system according to the requirements of §63.1063(c)(1). [§63.11092(e)(1)]
    - i) Internal floating roofs shall be inspected as specified in §63.1063(d)(1) before the initial filling of the storage vessel. Subsequent inspections shall be performed as follows: [§63.1063(c)(1)]
      - (1) Internal floating roofs shall be inspected as follows: [§63.1063(c)(1)(i)]
        - (a) At least once per year the IFR shall be inspected as specified in §63.1063(d)(2). [§63.1063(c)(1)(i)(A)]
        - (b) Each time the storage vessel is completely emptied and degassed, or every ten years, whichever occurs first, the IFR shall be inspected as specified in §63.1063(d)(1). [§63.1063(c)(1)(i)(B)]
      - (2) Instead of the inspection frequency specified in §63.1063(c)(1)(i), internal floating roofs with two rim seals may be inspected as specified in §63.1063(d)(1) each time the storage vessel is completely emptied and degassed, or every five years, whichever occurs first. [§63.1063(c)(1)(ii)]
    - ii) Floating roof inspections shall be conducted as specified in §63.1063(d)(1) through (3), as applicable. If a floating roof fails an inspection, the permittee shall comply with the repair requirements of §63.1063(e). [§63.1063(d)]
      - (1) Floating roof inspections shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seals from within the storage vessel. The inspection may be performed entirely from the top side of the floating roof, as long as there is visual access to all deck components specified in §63.1063(a). Any of the following conditions constitutes inspection failure: [§63.1063(d)(1)]
        - (a) Stored liquid on the floating roof. [§63.1063(d)(1)(i)]
        - (b) Holes or tears in the primary or secondary seal (if one is present). [§63.1063(d)(1)(ii)]
        - (c) Floating roof deck, deck fittings, or rim seals that are not functioning as designed (as specified in §63.1063(a)). [§63.1063(d)(1)(iii)]
        - (d) Failure to comply with the operational requirements of §63.1063(b). [§63.1063(d)(1)(iv)]
        - (e) Gaps of more than  $\frac{1}{8}$  inch between any deck fitting gasket, seal, or wiper (required by §63.1063(a)) and any surface that it is intended to seal. [§63.1063(d)(1)(v)]
      - (2) Tank-top inspections of IFR's shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seal through openings in the fixed roof. Any of the conditions described in §63.1063(d)(1)(i) through (iv) constitutes inspection failure. Identification of holes or tears in the rim seal is required only for the seal that is visible from the top of the storage vessel. [§63.1063(d)(2)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). The Notification of Compliance Status shall specify which of the compliance options included in Table 1 to 40 CFR Part 63, Subpart BBBBBB is used to comply with 40 CFR Part 63, Subpart BBBBBB. [§63.11093(b)]
2. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall retain records as specified in §63.1065. [§63.11094(a)]
  - a) The permittee shall retain the records required in §63.1065(a) for as long as liquid is stored. Records required in §63.1065(b), (c), and (d) shall be retained for at least five years. Records shall be retained in such a manner that they can be readily accessed within 24 hours. Records may be retained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche. [§63.1065]
    - i) A record shall be retained of the dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored. [§63.1065(a)]
    - ii) Records of floating roof inspection results shall be retained as follows: [§63.1065(b)]
      - (1) If the floating roof passes inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) and (ii). If the floating roof fails inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) through (v). [§63.1065(b)(1)]
        - (a) Identification of the storage vessel that was inspected. [§63.1065(b)(1)(i)]
        - (b) The date of the inspection. [§63.1065(b)(1)(ii)]
        - (c) A description of all inspection failures. [§63.1065(b)(1)(iii)]
        - (d) A description of all repairs and the dates they were made. [§63.1065(b)(1)(iv)]
        - (e) The date the storage vessel was removed from service, if applicable. [§63.1065(b)(1)(v)]
      - iii) The permittee shall retain a record of the date when a floating roof is set on its legs or other support devices. The permittee shall also retain a record of the date when the roof was refloated, and the record shall indicate whether the process of refloating was continuous. [§63.1065(c)]
      - iv) If the permittee elects to use an extension in accordance with §63.1063(c)(2)(iv)(B), the permittee shall retain the documentation required by those paragraphs. [§63.1065(d)]
  2. The permittee shall retain the following records: [§63.11094(g)]
    - a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
    - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
  3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
  4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) The information specified in §63.1066. [§63.11095(a)(1)]
    - i) The content of the notification of initial startup shall include (at a minimum) the following information: [§63.1066(a)]
      - (1) The identification of each storage vessel, its capacity and the liquid stored in the storage vessel. [§63.1066(a)(1)]
      - (2) A statement of whether the permittee can achieve compliance by the compliance date. [§63.1066(a)(2)]
    - ii) Report the information specified in §63.1066(b)(1) through (4), as applicable, in the periodic report. [§63.1066(b)]
      - (1) Notification of inspection. To provide the Administrator the opportunity to have an observer present, the permittee shall notify the Administrator at least 30 days before an inspection

required by §63.1063(d)(1). If an inspection is unplanned and the permittee could not have known about the inspection 30 days in advance, then the permittee shall notify the Administrator at least seven days before the inspection. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven days before the inspection. If a delegated state or local agency is notified, the permittee is not required to notify the Administrator. A delegated state or local agency may waive the requirement for notification of inspections. [§63.1066(b)(1)]

- (2) The permittee shall submit a copy of the inspection record (required in §63.1065) when inspection failures occur. [§63.1066(b)(2)]
  - (3) If the permittee requests the use of an alternate control device, the permittee shall submit a written application including emissions test results and an analysis demonstrating that the alternate device has an emission factor that is less than or equal to the device specified in §63.1063. [§63.1066(b)(3)]
  - (4) If the permittee elects to use an extension in accordance with or §63.1063(c)(2)(iv)(B), the permittee shall submit the documentation required by that paragraph. [§63.1066(b)(4)]
- b) For storage vessels complying with §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 §63.11093. [§63.11095(a)(4)]
2. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
  3. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 333 – Gasoline**

4.39 Million Gallon Domed External Floating Roof Tank, Constructed in 1952

### **PERMIT CONDITION 333 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

1. The permittee shall only store gasoline or other petroleum liquids which have the same or lower emissions of VOC and HAP than gasoline within Tank 333.
2. The permittee shall limit the throughput of Tank 333 to 375,002,636 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 10.3701 psia within Tank 333. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 333, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 333 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 333 - 002**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

**Operational Limitations:**

1. The permittee shall not store any petroleum liquid having a true vapor pressure of 1.5 psia or greater at 90°F, unless the storage tank is a pressure tank capable of maintaining working pressures sufficient at all times to prevent VOC vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices: [10 CSR 10-2.260(3)(A)1]
  - a) A floating roof, consisting of a pontoon type, double-deck type or internal floating cover, or external floating cover, that rests on the surface of the liquid contents and is equipped with a closure seal(s) to close the space between the roof edge and tank wall. Storage tanks with external floating roofs shall meet the additional following requirements: [10 CSR 10-2.260(3)(A)1.A]
    - i) The storage tank shall be fitted with either — [10 CSR 10-2.260(3)(A)1.A(I)]
      - (1) A continuous secondary seal extending from the floating roof to the tank wall (rim-mounted secondary seal); or [10 CSR 10-2.260(3)(A)1.A(I)(a)]
      - (2) A closure or other device approved by the staff director that controls VOC emissions with an effectiveness equal to or greater than a seal required under 10 CSR 10-2.260(3)(A)1.A(I)(a); [10 CSR 10-2.260(3)(A)1.A(I)(b)]
    - ii) All seal closure devices shall meet the following requirements: [10 CSR 10-2.260(3)(A)1.A(II)]
      - (1) There are no visible holes, tears or other openings in the seal(s) or seal fabric; [10 CSR 10-2.260(3)(A)1.A(II)(a)]
      - (2) The seal(s) is intact and uniformly in place around the circumference of the floating roof between the floating roof and the tank wall; and [10 CSR 10-2.260(3)(A)1.A(II)(b)]
      - (3) For vapor-mounted primary seals, the accumulated area of gaps exceeding 1/8 inch width, between the secondary seal and the tank wall shall not exceed 1.0 in<sup>2</sup> per foot of tank diameter; [10 CSR 10-2.260(3)(A)1.A(II)(c)]
    - iii) All openings in the external floating roof, except for automatic bleeder vents, rim space vents and leg sleeves shall be equipped with — [10 CSR 10-2.260(3)(A)1.A(III)]

- (1) Covers, seals or lids in the closed position except when the openings are in actual use; and [10 CSR 10-2.260(3)(A)1.A(III)(a)]
- (2) Projections into the tank which remain below the liquid surface at all times; [10 CSR 10-2.260(3)(A)1.A(III)(b)]
- iv) Automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports; [10 CSR 10-2.260(3)(A)1.A(IV)]
- v) Rim vents shall be set to open when the roof is being floated off the leg supports or at the manufacturer's recommended setting; and [10 CSR 10-2.260(3)(A)1.A(V)]
- vi) Emergency roof drains shall have slotted membrane fabric covers or equivalent covers which cover at least 90 percent of the area of the opening; [10 CSR 10-2.260(3)(A)1.A(VI)]
- b) A vapor recovery system with all storage tank gauging and sampling devices gas-tight, except when gauging or sampling is taking place. The vapor disposal portion of the vapor recovery system shall consist of an adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapor and gases from the equipment being controlled; or [10 CSR 10-2.260(3)(A)1.B]
- c) Other equipment or means of equal efficiency for purposes of air pollution control as approved by the staff director. [10 CSR 10-2.260(3)(A)1.C]
2. The control equipment described in 10 CSR 10-2.260(3)(A)1.A shall not be allowed if the petroleum liquid other than gasoline has a true vapor pressure of 11.1 psia or greater at 90°F. All storage tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [10 CSR 10-2.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall maintain written records of maintenance (both routine and unscheduled) performed on the tank, all repairs made, the results of all tests performed and the type and quantity of petroleum liquid stored. [10 CSR 10-2.260(3)(A)3]
2. The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be kept electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 333 - 003**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations  
40 CFR Part 63, Subpart BBBB – National Emission Standards for Hazardous Air Pollutants for Source  
Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Definitions:**

1. As used in 40 CFR Part 63, Subpart BBBB, all terms not defined herein shall have the meaning given them in the Clean Air Act (CAA), in 40 CFR Part 60, Subparts A, K, Ka, Kb, and XX or in 40 CFR Part 63, Subparts A, R, and WW. All terms defined in both 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subparts A, R, and WW shall have the meaning given in 40 CFR Part 63, Subparts A, R, and WW. For purposes of 40 CFR Part 63, Subpart BBBB, definitions in §63.11100 supersede definitions in other parts or subparts of 40 CFR. [§63.11100]
2. Internal floating roof or IFR means a floating roof located in a storage vessel with a fixed roof. For the purposes of 40 CFR Part 63, Subpart WW, an external floating roof located in a storage vessel to which a fixed roof has been added is considered to be an internal floating roof. [§63.1061]

**Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. The permittee shall equip each floating roof gasoline storage tank according to the applicable requirements in §63.1063(a)(1) and (b), except for the secondary seal requirements under §63.1063(a)(1)(i)(C) and (D). [§63.11087(a) and 2(b) of Table 1 to 40 CFR Part 63, Subpart BBBBBB]
  - a) Design requirements — [§63.1063(a)]
    - i) Rim seals. [§63.1063(a)(1)]
      - (1) Internal floating roof. An IFR shall be equipped with one of the following seal configurations: [§63.1063(a)(1)(i)]
        - (a) A liquid-mounted seal. [§63.1063(a)(1)(i)(A)]
        - (b) A mechanical shoe seal. [§63.1063(a)(1)(i)(B)]
    - b) Operational requirements. [§63.1063(b)]
      - i) The floating roof shall float on the stored liquid surface at all times, except when the floating roof is supported by its leg supports or other support devices (e.g., hangers from the fixed roof). [§63.1063(b)(1)]
      - ii) When the storage vessel is storing liquid, but the liquid depth is insufficient to float the floating roof, the process of filling to the point of refloating the floating roof shall be continuous and shall be performed as soon as practical. [§63.1063(b)(2)]
      - iii) Each cover over an opening in the floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall be closed at all times, except when the cover must be open for access. [§63.1063(b)(3)]
      - iv) Each automatic bleeder vent (vacuum breaker vent) and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design. [§63.1063(b)(4)]
      - v) Each unslotted guidepole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. [§63.1063(b)(5)]
  3. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart BBBBBB, except that storage vessels equipped with floating roofs and not meeting the requirements §63.11087(a) shall be in compliance at the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first. [§63.11087(b)]

**Testing/Monitoring:**

1. The permittee shall comply with the following requirements: [§63.11092(e)]
  - a) The permittee shall perform inspections of the floating roof system according to the requirements of §63.1063(c)(1). [§63.11092(e)(1)]
    - i) Internal floating roofs shall be inspected as specified in §63.1063(d)(1) before the initial filling of the storage vessel. Subsequent inspections shall be performed as follows: [§63.1063(c)(1)]
      - (1) Internal floating roofs shall be inspected as follows: [§63.1063(c)(1)(i)]
        - (a) At least once per year the IFR shall be inspected as specified in §63.1063(d)(2). [§63.1063(c)(1)(i)(A)]
        - (b) Each time the storage vessel is completely emptied and degassed, or every ten years, whichever occurs first, the IFR shall be inspected as specified in §63.1063(d)(1). [§63.1063(c)(1)(i)(B)]

- (2) Instead of the inspection frequency specified in §63.1063(c)(1)(i), internal floating roofs with two rim seals may be inspected as specified in §63.1063(d)(1) each time the storage vessel is completely emptied and degassed, or every five years, whichever occurs first.  
[§63.1063(c)(1)(ii)]
- ii) Floating roof inspections shall be conducted as specified in §63.1063(d)(1) through (3), as applicable. If a floating roof fails an inspection, the permittee shall comply with the repair requirements of §63.1063(e). [§63.1063(d)]
- (1) Floating roof inspections shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seals from within the storage vessel. The inspection may be performed entirely from the top side of the floating roof, as long as there is visual access to all deck components specified in §63.1063(a). Any of the following conditions constitutes inspection failure:  
[§63.1063(d)(1)]
- (a) Stored liquid on the floating roof. [§63.1063(d)(1)(i)]
- (b) Holes or tears in the primary or secondary seal (if one is present). [§63.1063(d)(1)(ii)]
- (c) Floating roof deck, deck fittings, or rim seals that are not functioning as designed (as specified in §63.1063(a)). [§63.1063(d)(1)(iii)]
- (d) Failure to comply with the operational requirements of §63.1063(b). [§63.1063(d)(1)(iv)]
- (e) Gaps of more than  $\frac{1}{8}$  inch between any deck fitting gasket, seal, or wiper (required by §63.1063(a)) and any surface that it is intended to seal. [§63.1063(d)(1)(v)]
- (2) Tank-top inspections of IFR's shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seal through openings in the fixed roof. Any of the conditions described in §63.1063(d)(1)(i) through (iv) constitutes inspection failure. Identification of holes or tears in the rim seal is required only for the seal that is visible from the top of the storage vessel.  
[§63.1063(d)(2)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). The Notification of Compliance Status shall specify which of the compliance options included in Table 1 to 40 CFR Part 63, Subpart BBBBBB is used to comply with 40 CFR Part 63, Subpart BBBBBB. [§63.11093(b)]
2. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall retain records as specified in §63.1065. [§63.11094(a)]
  - a) The permittee shall retain the records required in §63.1065(a) for as long as liquid is stored. Records required in §63.1065(b), (c), and (d) shall be retained for at least five years. Records shall be retained in such a manner that they can be readily accessed within 24 hours. Records may be retained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche. [§63.1065]
    - i) A record shall be retained of the dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored. [§63.1065(a)]
    - ii) Records of floating roof inspection results shall be retained as follows: [§63.1065(b)]
      - (1) If the floating roof passes inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) and (ii). If the floating roof fails inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) through (v).  
[§63.1065(b)(1)]
        - (a) Identification of the storage vessel that was inspected. [§63.1065(b)(1)(i)]
        - (b) The date of the inspection. [§63.1065(b)(1)(ii)]
        - (c) A description of all inspection failures. [§63.1065(b)(1)(iii)]

- (d) A description of all repairs and the dates they were made. [§63.1065(b)(1)(iv)]
  - (e) The date the storage vessel was removed from service, if applicable. [§63.1065(b)(1)(v)]
  - iii) The permittee shall retain a record of the date when a floating roof is set on its legs or other support devices. The permittee shall also retain a record of the date when the roof was refloated, and the record shall indicate whether the process of refloating was continuous. [§63.1065(c)]
  - iv) If the permittee elects to use an extension in accordance with §63.1063(c)(2)(iv)(B), the permittee shall retain the documentation required by those paragraphs. [§63.1065(d)]
2. The permittee shall retain the following records: [§63.11094(g)]
    - a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
    - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
  3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
  4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) The information specified in §63.1066. [§63.11095(a)(1)]
    - i) The content of the notification of initial startup shall include (at a minimum) the following information: [§63.1066(a)]
      - (1) The identification of each storage vessel, its capacity and the liquid stored in the storage vessel. [§63.1066(a)(1)]
      - (2) A statement of whether the permittee can achieve compliance by the compliance date. [§63.1066(a)(2)]
    - ii) Report the information specified in §63.1066(b)(1) through (4), as applicable, in the periodic report. [§63.1066(b)]
      - (1) Notification of inspection. To provide the Administrator the opportunity to have an observer present, the permittee shall notify the Administrator at least 30 days before an inspection required by §63.1063(d)(1). If an inspection is unplanned and the permittee could not have known about the inspection 30 days in advance, then the permittee shall notify the Administrator at least seven days before the inspection. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven days before the inspection. If a delegated state or local agency is notified, the permittee is not required to notify the Administrator. A delegated state or local agency may waive the requirement for notification of inspections. [§63.1066(b)(1)]
      - (2) The permittee shall submit a copy of the inspection record (required in §63.1065) when inspection failures occur. [§63.1066(b)(2)]
      - (3) If the permittee requests the use of an alternate control device, the permittee shall submit a written application including emissions test results and an analysis demonstrating that the alternate device has an emission factor that is less than or equal to the device specified in §63.1063. [§63.1066(b)(3)]
      - (4) If the permittee elects to use an extension in accordance with or §63.1063(c)(2)(iv)(B), the permittee shall submit the documentation required by that paragraph. [§63.1066(b)(4)]

- b) For storage vessels complying with §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 §63.11093. [§63.11095(a)(4)]
2. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
3. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 334 – Jet Kerosene**

4.54 Million Gallon Vertical Fixed Roof Tank, Constructed in 1952

### **PERMIT CONDITION 334 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

1. The permittee shall only store jet kerosene or other petroleum liquids which have the same or lower emissions of VOC and HAP than jet kerosene within Tank 334.
2. The permittee shall limit the throughput of Tank 334 to 339,979,610 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 0.0127 psia within Tank 334. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

#### **Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 334, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 334 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

#### **Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 335 – Distillate Fuel Oil**

4.75 Million Gallon Vertical Fixed Roof Tank, Constructed in 1952

#### **PERMIT CONDITION 335 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

##### **Operational Limitations:**

1. The permittee shall only store distillate fuel oil or other petroleum liquids which have the same or lower emissions of VOC and HAP than distillate fuel oil within Tank 335.
2. The permittee shall limit the throughput of Tank 335 to 276,481,803 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 0.01 psia within Tank 335. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

##### **Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 335, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 335 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

##### **Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 336 – Gasoline**

5.70 Million Gallon Domed External Floating Roof Tank, Constructed in 1969

#### **PERMIT CONDITION 336 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

##### **Operational Limitations:**

1. The permittee shall only store gasoline or other petroleum liquids which have the same or lower emissions of VOC and HAP than gasoline within Tank 336.

2. The permittee shall limit the throughput of Tank 336 to 484,993,271 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 10.3701 psia within Tank 336. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 336, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 336 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 336 - 002**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

**Operational Limitations:**

1. The permittee shall not store any petroleum liquid having a true vapor pressure of 1.5 psia or greater at 90°F, unless the storage tank is a pressure tank capable of maintaining working pressures sufficient at all times to prevent VOC vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices: [10 CSR 10-2.260(3)(A)1]
  - a) A floating roof, consisting of a pontoon type, double-deck type or internal floating cover, or external floating cover, that rests on the surface of the liquid contents and is equipped with a closure seal(s) to close the space between the roof edge and tank wall. Storage tanks with external floating roofs shall meet the additional following requirements: [10 CSR 10-2.260(3)(A)1.A]
    - i) The storage tank shall be fitted with either — [10 CSR 10-2.260(3)(A)1.A(I)]
      - (1) A continuous secondary seal extending from the floating roof to the tank wall (rim-mounted secondary seal); or [10 CSR 10-2.260(3)(A)1.A(I)(a)]
      - (2) A closure or other device approved by the staff director that controls VOC emissions with an effectiveness equal to or greater than a seal required under 10 CSR 10-2.260(3)(A)1.A(I)(a); [10 CSR 10-2.260(3)(A)1.A(I)(b)]
    - ii) All seal closure devices shall meet the following requirements: [10 CSR 10-2.260(3)(A)1.A(II)]
      - (1) There are no visible holes, tears or other openings in the seal(s) or seal fabric; [10 CSR 10-2.260(3)(A)1.A(II)(a)]

- (2) The seal(s) is intact and uniformly in place around the circumference of the floating roof between the floating roof and the tank wall; and [10 CSR 10-2.260(3)(A)1.A(II)(b)]
- (3) For vapor-mounted primary seals, the accumulated area of gaps exceeding 1/8 inch width, between the secondary seal and the tank wall shall not exceed 1.0 in<sup>2</sup> per foot of tank diameter; [10 CSR 10-2.260(3)(A)1.A(II)(c)]
- iii) All openings in the external floating roof, except for automatic bleeder vents, rim space vents and leg sleeves shall be equipped with — [10 CSR 10-2.260(3)(A)1.A(III)]
  - (1) Covers, seals or lids in the closed position except when the openings are in actual use; and [10 CSR 10-2.260(3)(A)1.A(III)(a)]
  - (2) Projections into the tank which remain below the liquid surface at all times; [10 CSR 10-2.260(3)(A)1.A(III)(b)]
- iv) Automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports; [10 CSR 10-2.260(3)(A)1.A(IV)]
- v) Rim vents shall be set to open when the roof is being floated off the leg supports or at the manufacturer's recommended setting; and [10 CSR 10-2.260(3)(A)1.A(V)]
- vi) Emergency roof drains shall have slotted membrane fabric covers or equivalent covers which cover at least 90 percent of the area of the opening; [10 CSR 10-2.260(3)(A)1.A(VI)]
- b) A vapor recovery system with all storage tank gauging and sampling devices gas-tight, except when gauging or sampling is taking place. The vapor disposal portion of the vapor recovery system shall consist of an adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapor and gases from the equipment being controlled; or [10 CSR 10-2.260(3)(A)1.B]
- c) Other equipment or means of equal efficiency for purposes of air pollution control as approved by the staff director. [10 CSR 10-2.260(3)(A)1.C]
2. The control equipment described in 10 CSR 10-2.260(3)(A)1.A shall not be allowed if the petroleum liquid other than gasoline has a true vapor pressure of 11.1 psia or greater at 90°F. All storage tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [10 CSR 10-2.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall maintain written records of maintenance (both routine and unscheduled) performed on the tank, all repairs made, the results of all tests performed and the type and quantity of petroleum liquid stored. [10 CSR 10-2.260(3)(A)3]
2. The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be kept electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 336 - 003**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations  
40 CFR Part 63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source  
Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Definitions:**

1. As used in 40 CFR Part 63, Subpart BBBBBB, all terms not defined herein shall have the meaning given them in the CAA, in 40 CFR Part 60, Subparts A, K, Ka, Kb, and XX or in 40 CFR Part 63, Subparts A, R, and WW. All terms defined in both 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subparts A, R, and WW shall have the meaning given in 40 CFR Part 63, Subparts A, R, and WW. For purposes of 40 CFR Part 63, Subpart BBBBBB, definitions in §63.11100 supersede definitions in other parts or subparts of 40 CFR. [§63.11100]
2. Internal floating roof or IFR means a floating roof located in a storage vessel with a fixed roof. For the purposes of 40 CFR Part 63, Subpart WW, an external floating roof located in a storage vessel to which a fixed roof has been added is considered to be an internal floating roof. [§63.1061]

**Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. The permittee shall equip each floating roof gasoline storage tank according to the applicable requirements in §63.1063(a)(1) and (b), except for the secondary seal requirements under §63.1063(a)(1)(i)(C) and (D). [§63.11087(a) and 2(b) of Table 1 to 40 CFR Part 63, Subpart BBBBBB]
  - a) Design requirements — [§63.1063(a)]
    - i) Rim seals. [§63.1063(a)(1)]
      - (1) Internal floating roof. An IFR shall be equipped with one of the following seal configurations: [§63.1063(a)(1)(i)]
        - (a) A liquid-mounted seal. [§63.1063(a)(1)(i)(A)]
        - (b) A mechanical shoe seal. [§63.1063(a)(1)(i)(B)]
    - b) Operational requirements. [§63.1063(b)]
      - i) The floating roof shall float on the stored liquid surface at all times, except when the floating roof is supported by its leg supports or other support devices (e.g., hangers from the fixed roof). [§63.1063(b)(1)]
      - ii) When the storage vessel is storing liquid, but the liquid depth is insufficient to float the floating roof, the process of filling to the point of refloating the floating roof shall be continuous and shall be performed as soon as practical. [§63.1063(b)(2)]
      - iii) Each cover over an opening in the floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall be closed at all times, except when the cover must be open for access. [§63.1063(b)(3)]
      - iv) Each automatic bleeder vent (vacuum breaker vent) and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design. [§63.1063(b)(4)]
      - v) Each unslotted guidepole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. [§63.1063(b)(5)]

3. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart BBBBBB, except that storage vessels equipped with floating roofs and not meeting the requirements §63.11087(a) shall be in compliance at the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first. [§63.11087(b)]

**Testing/Monitoring:**

1. The permittee shall comply with the following requirements: [§63.11092(e)]
  - a) The permittee shall perform inspections of the floating roof system according to the requirements of §63.1063(c)(1). [§63.11092(e)(1)]
    - i) Internal floating roofs shall be inspected as specified in §63.1063(d)(1) before the initial filling of the storage vessel. Subsequent inspections shall be performed as follows: [§63.1063(c)(1)]
      - (1) Internal floating roofs shall be inspected as follows: [§63.1063(c)(1)(i)]
        - (a) At least once per year the IFR shall be inspected as specified in §63.1063(d)(2). [§63.1063(c)(1)(i)(A)]
        - (b) Each time the storage vessel is completely emptied and degassed, or every ten years, whichever occurs first, the IFR shall be inspected as specified in §63.1063(d)(1). [§63.1063(c)(1)(i)(B)]
      - (2) Instead of the inspection frequency specified in §63.1063(c)(1)(i), internal floating roofs with two rim seals may be inspected as specified in §63.1063(d)(1) each time the storage vessel is completely emptied and degassed, or every five years, whichever occurs first. [§63.1063(c)(1)(ii)]
    - ii) Floating roof inspections shall be conducted as specified in §63.1063(d)(1) through (3), as applicable. If a floating roof fails an inspection, the permittee shall comply with the repair requirements of §63.1063(e). [§63.1063(d)]
      - (1) Floating roof inspections shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seals from within the storage vessel. The inspection may be performed entirely from the top side of the floating roof, as long as there is visual access to all deck components specified in §63.1063(a). Any of the following conditions constitutes inspection failure: [§63.1063(d)(1)]
        - (a) Stored liquid on the floating roof. [§63.1063(d)(1)(i)]
        - (b) Holes or tears in the primary or secondary seal (if one is present). [§63.1063(d)(1)(ii)]
        - (c) Floating roof deck, deck fittings, or rim seals that are not functioning as designed (as specified in §63.1063(a)). [§63.1063(d)(1)(iii)]
        - (d) Failure to comply with the operational requirements of §63.1063(b). [§63.1063(d)(1)(iv)]
        - (e) Gaps of more than  $\frac{1}{8}$  inch between any deck fitting gasket, seal, or wiper (required by §63.1063(a)) and any surface that it is intended to seal. [§63.1063(d)(1)(v)]
      - (2) Tank-top inspections of IFR's shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seal through openings in the fixed roof. Any of the conditions described in §63.1063(d)(1)(i) through (iv) constitutes inspection failure. Identification of holes or tears in the rim seal is required only for the seal that is visible from the top of the storage vessel. [§63.1063(d)(2)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). The Notification of Compliance Status shall specify which of the compliance options included in Table 1 to 40 CFR Part 63, Subpart BBBBBB is used to comply with 40 CFR Part 63, Subpart BBBBBB. [§63.11093(b)]
2. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall retain records as specified in §63.1065. [§63.11094(a)]
  - a) The permittee shall retain the records required in §63.1065(a) for as long as liquid is stored. Records required in §63.1065(b), (c), and (d) shall be retained for at least five years. Records shall be retained in such a manner that they can be readily accessed within 24 hours. Records may be retained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche. [§63.1065]
    - i) A record shall be retained of the dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored. [§63.1065(a)]
    - ii) Records of floating roof inspection results shall be retained as follows: [§63.1065(b)]
      - (1) If the floating roof passes inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) and (ii). If the floating roof fails inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) through (v). [§63.1065(b)(1)]
        - (a) Identification of the storage vessel that was inspected. [§63.1065(b)(1)(i)]
        - (b) The date of the inspection. [§63.1065(b)(1)(ii)]
        - (c) A description of all inspection failures. [§63.1065(b)(1)(iii)]
        - (d) A description of all repairs and the dates they were made. [§63.1065(b)(1)(iv)]
        - (e) The date the storage vessel was removed from service, if applicable. [§63.1065(b)(1)(v)]
      - iii) The permittee shall retain a record of the date when a floating roof is set on its legs or other support devices. The permittee shall also retain a record of the date when the roof was refloated, and the record shall indicate whether the process of refloating was continuous. [§63.1065(c)]
      - iv) If the permittee elects to use an extension in accordance with §63.1063(c)(2)(iv)(B), the permittee shall retain the documentation required by those paragraphs. [§63.1065(d)]
  2. The permittee shall retain the following records: [§63.11094(g)]
    - a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
    - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
  3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
  4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) The information specified in §63.1066. [§63.11095(a)(1)]
    - i) The content of the notification of initial startup shall include (at a minimum) the following information: [§63.1066(a)]
      - (1) The identification of each storage vessel, its capacity and the liquid stored in the storage vessel. [§63.1066(a)(1)]
      - (2) A statement of whether the permittee can achieve compliance by the compliance date. [§63.1066(a)(2)]
    - ii) Report the information specified in §63.1066(b)(1) through (4), as applicable, in the periodic report. [§63.1066(b)]
      - (1) Notification of inspection. To provide the Administrator the opportunity to have an observer present, the permittee shall notify the Administrator at least 30 days before an inspection

required by §63.1063(d)(1). If an inspection is unplanned and the permittee could not have known about the inspection 30 days in advance, then the permittee shall notify the Administrator at least seven days before the inspection. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven days before the inspection. If a delegated state or local agency is notified, the permittee is not required to notify the Administrator. A delegated state or local agency may waive the requirement for notification of inspections. [§63.1066(b)(1)]

- (2) The permittee shall submit a copy of the inspection record (required in §63.1065) when inspection failures occur. [§63.1066(b)(2)]
  - (3) If the permittee requests the use of an alternate control device, the permittee shall submit a written application including emissions test results and an analysis demonstrating that the alternate device has an emission factor that is less than or equal to the device specified in §63.1063. [§63.1066(b)(3)]
  - (4) If the permittee elects to use an extension in accordance with or §63.1063(c)(2)(iv)(B), the permittee shall submit the documentation required by that paragraph. [§63.1066(b)(4)]
- b) For storage vessels complying with §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 §63.11093. [§63.11095(a)(4)]
2. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
  3. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 337 – Gasoline**

5.78 Million Gallon Domed External Floating Roof Tank, Constructed in 1969

### **PERMIT CONDITION 337 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

1. The permittee shall only store gasoline or other petroleum liquids which have the same or lower emissions of VOC and HAP than gasoline within Tank 337.
2. The permittee shall limit the throughput of Tank 337 to 391,754,212 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 10.3701 psia within Tank 337. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 337, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 337 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 337 - 002**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

**Operational Limitations:**

1. The permittee shall not store any petroleum liquid having a true vapor pressure of 1.5 psia or greater at 90°F, unless the storage tank is a pressure tank capable of maintaining working pressures sufficient at all times to prevent VOC vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices: [10 CSR 10-2.260(3)(A)1]
  - a) A floating roof, consisting of a pontoon type, double-deck type or internal floating cover, or external floating cover, that rests on the surface of the liquid contents and is equipped with a closure seal(s) to close the space between the roof edge and tank wall. Storage tanks with external floating roofs shall meet the additional following requirements: [10 CSR 10-2.260(3)(A)1.A]
    - i) The storage tank shall be fitted with either — [10 CSR 10-2.260(3)(A)1.A(I)]
      - (1) A continuous secondary seal extending from the floating roof to the tank wall (rim-mounted secondary seal); or [10 CSR 10-2.260(3)(A)1.A(I)(a)]
      - (2) A closure or other device approved by the staff director that controls VOC emissions with an effectiveness equal to or greater than a seal required under 10 CSR 10-2.260(3)(A)1.A(I)(a); [10 CSR 10-2.260(3)(A)1.A(I)(b)]
    - ii) All seal closure devices shall meet the following requirements: [10 CSR 10-2.260(3)(A)1.A(II)]
      - (1) There are no visible holes, tears or other openings in the seal(s) or seal fabric; [10 CSR 10-2.260(3)(A)1.A(II)(a)]
      - (2) The seal(s) is intact and uniformly in place around the circumference of the floating roof between the floating roof and the tank wall; and [10 CSR 10-2.260(3)(A)1.A(II)(b)]
      - (3) For vapor-mounted primary seals, the accumulated area of gaps exceeding 1/8 inch width, between the secondary seal and the tank wall shall not exceed 1.0 in<sup>2</sup> per foot of tank diameter; [10 CSR 10-2.260(3)(A)1.A(II)(c)]
    - iii) All openings in the external floating roof, except for automatic bleeder vents, rim space vents and leg sleeves shall be equipped with — [10 CSR 10-2.260(3)(A)1.A(III)]

- (1) Covers, seals or lids in the closed position except when the openings are in actual use; and [10 CSR 10-2.260(3)(A)1.A(III)(a)]
- (2) Projections into the tank which remain below the liquid surface at all times; [10 CSR 10-2.260(3)(A)1.A(III)(b)]
- iv) Automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports; [10 CSR 10-2.260(3)(A)1.A(IV)]
- v) Rim vents shall be set to open when the roof is being floated off the leg supports or at the manufacturer's recommended setting; and [10 CSR 10-2.260(3)(A)1.A(V)]
- vi) Emergency roof drains shall have slotted membrane fabric covers or equivalent covers which cover at least 90 percent of the area of the opening; [10 CSR 10-2.260(3)(A)1.A(VI)]
- b) A vapor recovery system with all storage tank gauging and sampling devices gas-tight, except when gauging or sampling is taking place. The vapor disposal portion of the vapor recovery system shall consist of an adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapor and gases from the equipment being controlled; or [10 CSR 10-2.260(3)(A)1.B]
- c) Other equipment or means of equal efficiency for purposes of air pollution control as approved by the staff director. [10 CSR 10-2.260(3)(A)1.C]
2. The control equipment described in 10 CSR 10-2.260(3)(A)1.A shall not be allowed if the petroleum liquid other than gasoline has a true vapor pressure of 11.1 psia or greater at 90°F. All storage tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [10 CSR 10-2.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall maintain written records of maintenance (both routine and unscheduled) performed on the tank, all repairs made, the results of all tests performed and the type and quantity of petroleum liquid stored. [10 CSR 10-2.260(3)(A)3]
2. The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be kept electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 337 - 003**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations  
40 CFR Part 63, Subpart BBBB – National Emission Standards for Hazardous Air Pollutants for Source  
Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Definitions:**

1. As used in 40 CFR Part 63, Subpart BBBB, all terms not defined herein shall have the meaning given them in the CAA, in 40 CFR Part 60, Subparts A, K, Ka, Kb, and XX or in 40 CFR Part 63, Subparts A, R, and WW. All terms defined in both 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subparts A, R, and WW shall have the meaning given in 40 CFR Part 63, Subparts A, R, and WW. For purposes of 40 CFR Part 63, Subpart BBBB, definitions in §63.11100 supersede definitions in other parts or subparts of 40 CFR. [§63.11100]
2. Internal floating roof or IFR means a floating roof located in a storage vessel with a fixed roof. For the purposes of 40 CFR Part 63, Subpart WW, an external floating roof located in a storage vessel to which a fixed roof has been added is considered to be an internal floating roof. [§63.1061]

**Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. The permittee shall equip each floating roof gasoline storage tank according to the applicable requirements in §63.1063(a)(1) and (b), except for the secondary seal requirements under §63.1063(a)(1)(i)(C) and (D). [§63.11087(a) and 2(b) of Table 1 to 40 CFR Part 63, Subpart BBBBBB]
  - a) Design requirements — [§63.1063(a)]
    - i) Rim seals. [§63.1063(a)(1)]
      - (1) Internal floating roof. An IFR shall be equipped with one of the following seal configurations: [§63.1063(a)(1)(i)]
        - (a) A liquid-mounted seal. [§63.1063(a)(1)(i)(A)]
        - (b) A mechanical shoe seal. [§63.1063(a)(1)(i)(B)]
    - b) Operational requirements. [§63.1063(b)]
      - i) The floating roof shall float on the stored liquid surface at all times, except when the floating roof is supported by its leg supports or other support devices (e.g., hangers from the fixed roof). [§63.1063(b)(1)]
      - ii) When the storage vessel is storing liquid, but the liquid depth is insufficient to float the floating roof, the process of filling to the point of refloating the floating roof shall be continuous and shall be performed as soon as practical. [§63.1063(b)(2)]
      - iii) Each cover over an opening in the floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall be closed at all times, except when the cover must be open for access. [§63.1063(b)(3)]
      - iv) Each automatic bleeder vent (vacuum breaker vent) and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design. [§63.1063(b)(4)]
      - v) Each unslotted guidepole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. [§63.1063(b)(5)]
  3. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart BBBBBB, except that storage vessels equipped with floating roofs and not meeting the requirements §63.11087(a) shall be in compliance at the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first. [§63.11087(b)]

**Testing/Monitoring:**

1. The permittee shall comply with the following requirements: [§63.11092(e)]
  - a) The permittee shall perform inspections of the floating roof system according to the requirements of §63.1063(c)(1). [§63.11092(e)(1)]
    - i) Internal floating roofs shall be inspected as specified in §63.1063(d)(1) before the initial filling of the storage vessel. Subsequent inspections shall be performed as follows: [§63.1063(c)(1)]
      - (1) Internal floating roofs shall be inspected as follows: [§63.1063(c)(1)(i)]
        - (a) At least once per year the IFR shall be inspected as specified in §63.1063(d)(2). [§63.1063(c)(1)(i)(A)]
        - (b) Each time the storage vessel is completely emptied and degassed, or every ten years, whichever occurs first, the IFR shall be inspected as specified in §63.1063(d)(1). [§63.1063(c)(1)(i)(B)]

- (2) Instead of the inspection frequency specified in §63.1063(c)(1)(i), internal floating roofs with two rim seals may be inspected as specified in §63.1063(d)(1) each time the storage vessel is completely emptied and degassed, or every five years, whichever occurs first.  
[§63.1063(c)(1)(ii)]
- ii) Floating roof inspections shall be conducted as specified in §63.1063(d)(1) through (3), as applicable. If a floating roof fails an inspection, the permittee shall comply with the repair requirements of §63.1063(e). [§63.1063(d)]
- (1) Floating roof inspections shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seals from within the storage vessel. The inspection may be performed entirely from the top side of the floating roof, as long as there is visual access to all deck components specified in §63.1063(a). Any of the following conditions constitutes inspection failure:  
[§63.1063(d)(1)]
- (a) Stored liquid on the floating roof. [§63.1063(d)(1)(i)]
- (b) Holes or tears in the primary or secondary seal (if one is present). [§63.1063(d)(1)(ii)]
- (c) Floating roof deck, deck fittings, or rim seals that are not functioning as designed (as specified in §63.1063(a)). [§63.1063(d)(1)(iii)]
- (d) Failure to comply with the operational requirements of §63.1063(b). [§63.1063(d)(1)(iv)]
- (e) Gaps of more than  $\frac{1}{8}$  inch between any deck fitting gasket, seal, or wiper (required by §63.1063(a)) and any surface that it is intended to seal. [§63.1063(d)(1)(v)]
- (2) Tank-top inspections of IFR's shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seal through openings in the fixed roof. Any of the conditions described in §63.1063(d)(1)(i) through (iv) constitutes inspection failure. Identification of holes or tears in the rim seal is required only for the seal that is visible from the top of the storage vessel.  
[§63.1063(d)(2)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). The Notification of Compliance Status shall specify which of the compliance options included in Table 1 to 40 CFR Part 63, Subpart BBBBBB is used to comply with 40 CFR Part 63, Subpart BBBBBB. [§63.11093(b)]
2. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall retain records as specified in §63.1065. [§63.11094(a)]
  - a) The permittee shall retain the records required in §63.1065(a) for as long as liquid is stored. Records required in §63.1065(b), (c), and (d) shall be retained for at least five years. Records shall be retained in such a manner that they can be readily accessed within 24 hours. Records may be retained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche. [§63.1065]
    - i) A record shall be retained of the dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored. [§63.1065(a)]
    - ii) Records of floating roof inspection results shall be retained as follows: [§63.1065(b)]
      - (1) If the floating roof passes inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) and (ii). If the floating roof fails inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) through (v).  
[§63.1065(b)(1)]
        - (a) Identification of the storage vessel that was inspected. [§63.1065(b)(1)(i)]
        - (b) The date of the inspection. [§63.1065(b)(1)(ii)]
        - (c) A description of all inspection failures. [§63.1065(b)(1)(iii)]

- (d) A description of all repairs and the dates they were made. [§63.1065(b)(1)(iv)]
  - (e) The date the storage vessel was removed from service, if applicable. [§63.1065(b)(1)(v)]
  - iii) The permittee shall retain a record of the date when a floating roof is set on its legs or other support devices. The permittee shall also retain a record of the date when the roof was refloated, and the record shall indicate whether the process of refloating was continuous. [§63.1065(c)]
  - iv) If the permittee elects to use an extension in accordance with §63.1063(c)(2)(iv)(B), the permittee shall retain the documentation required by those paragraphs. [§63.1065(d)]
2. The permittee shall retain the following records: [§63.11094(g)]
    - a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
    - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
  3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
  4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) The information specified in §63.1066. [§63.11095(a)(1)]
    - i) The content of the notification of initial startup shall include (at a minimum) the following information: [§63.1066(a)]
      - (1) The identification of each storage vessel, its capacity and the liquid stored in the storage vessel. [§63.1066(a)(1)]
      - (2) A statement of whether the permittee can achieve compliance by the compliance date. [§63.1066(a)(2)]
    - ii) Report the information specified in §63.1066(b)(1) through (4), as applicable, in the periodic report. [§63.1066(b)]
      - (1) Notification of inspection. To provide the Administrator the opportunity to have an observer present, the permittee shall notify the Administrator at least 30 days before an inspection required by §63.1063(d)(1). If an inspection is unplanned and the permittee could not have known about the inspection 30 days in advance, then the permittee shall notify the Administrator at least seven days before the inspection. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven days before the inspection. If a delegated state or local agency is notified, the permittee is not required to notify the Administrator. A delegated state or local agency may waive the requirement for notification of inspections. [§63.1066(b)(1)]
      - (2) The permittee shall submit a copy of the inspection record (required in §63.1065) when inspection failures occur. [§63.1066(b)(2)]
      - (3) If the permittee requests the use of an alternate control device, the permittee shall submit a written application including emissions test results and an analysis demonstrating that the alternate device has an emission factor that is less than or equal to the device specified in §63.1063. [§63.1066(b)(3)]
      - (4) If the permittee elects to use an extension in accordance with or §63.1063(c)(2)(iv)(B), the permittee shall submit the documentation required by that paragraph. [§63.1066(b)(4)]

- b) For storage vessels complying with §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 §63.11093. [§63.11095(a)(4)]
2. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
3. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 338 – Gasoline**

3.69 Million Gallon Internal Floating Roof Tank, Constructed in 1984

### **PERMIT CONDITION 338 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

1. The permittee shall only store gasoline or other petroleum liquids which have the same or lower emissions of VOC and HAP than gasoline within Tank 338.
2. The permittee shall limit the throughput of Tank 338 to 315,011,616 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 10.3701 psia within Tank 338. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

#### **Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 338, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 338 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

#### **Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 338 - 002**

10 CSR 10-6.060 Construction Permits Required  
Construction Permit 0184-047 to 0184-050, Issued November 28, 1983

**Monitoring/Recordkeeping:**

1. Special Condition 2: The permittee shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
2. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 338 - 003**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

**Operational Limitations:**

1. The permittee shall not store any petroleum liquid having a true vapor pressure of 1.5 psia or greater at 90°F, unless the storage tank is a pressure tank capable of maintaining working pressures sufficient at all times to prevent VOC vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices: [10 CSR 10-2.260(3)(A)1]
  - a) A floating roof, consisting of a pontoon type, double-deck type or internal floating cover, or external floating cover, that rests on the surface of the liquid contents and is equipped with a closure seal(s) to close the space between the roof edge and tank wall. [10 CSR 10-2.260(3)(A)1.A]
  - b) A vapor recovery system with all storage tank gauging and sampling devices gas-tight, except when gauging or sampling is taking place. The vapor disposal portion of the vapor recovery system shall consist of an adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapor and gases from the equipment being controlled; or [10 CSR 10-2.260(3)(A)1.B]
  - c) Other equipment or means of equal efficiency for purposes of air pollution control as approved by the staff director. [10 CSR 10-2.260(3)(A)1.C]
2. The control equipment described in 10 CSR 10-2.260(3)(A)1.A shall not be allowed if the petroleum liquid other than gasoline has a true vapor pressure of 11.1 psia or greater at 90°F. All storage tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [10 CSR 10-2.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall retain written records of maintenance (both routine and unscheduled) performed on the tank, all repairs made, the results of all tests performed and the type and quantity of petroleum liquid stored. [10 CSR 10-2.260(3)(A)3]
2. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 338 - 004**

10 CSR 10-6.070 New Source Performance Regulations

40 CFR Part 60, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984

**Operational Limitations:**

1. The permittee shall equip the storage vessel with: [§60.112a(a)]
  - a) A fixed roof with an internal floating type cover equipped with a continuous closure device between the tank wall and the cover edge. The cover is to be floating at all times, (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's recommended setting. [§60.112a(a)(2)]

**Alternative Compliance Methods:**

If, in the Administrator's judgment, an alternative means of emission limitation will achieve a reduction in emissions at least equivalent to the reduction in emissions achieved by any requirement in §60.112a, the Administrator will publish in the Federal Register a notice permitting the use of the alternative means for purposes of compliance with that requirement. [§60.114a(a)]

**Monitoring/Recordkeeping:**

1. The permittee shall retain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period. [§60.115a(a)]
2. Available data on the typical Reid vapor pressure and the maximum expected storage temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s). [§60.115a(b)]
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 338 - 005**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations

40 CFR Part 63, Subpart BBBB – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. The permittee shall equip each floating roof gasoline storage tank according to the applicable requirements in §63.1063(a)(1) and (b), except for the secondary seal requirements under §63.1063(a)(1)(i)(C) and (D). [§63.11087(a) and 2(b) of Table 1 to 40 CFR Part 63, Subpart BBBBBB]
  - a) Design requirements — [§63.1063(a)]
    - i) Rim seals. [§63.1063(a)(1)]
      - (1) Internal floating roof. An IFR shall be equipped with one of the following seal configurations: [§63.1063(a)(1)(i)]
        - (a) A liquid-mounted seal. [§63.1063(a)(1)(i)(A)]
        - (b) A mechanical shoe seal. [§63.1063(a)(1)(i)(B)]
    - b) Operational requirements. [§63.1063(b)]
      - i) The floating roof shall float on the stored liquid surface at all times, except when the floating roof is supported by its leg supports or other support devices (e.g., hangers from the fixed roof). [§63.1063(b)(1)]
      - ii) When the storage vessel is storing liquid, but the liquid depth is insufficient to float the floating roof, the process of filling to the point of refloating the floating roof shall be continuous and shall be performed as soon as practical. [§63.1063(b)(2)]
      - iii) Each cover over an opening in the floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall be closed at all times, except when the cover must be open for access. [§63.1063(b)(3)]
      - iv) Each automatic bleeder vent (vacuum breaker vent) and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design. [§63.1063(b)(4)]
      - v) Each unslotted guidepole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. [§63.1063(b)(5)]
  3. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart BBBBBB, except that storage vessels equipped with floating roofs and not meeting the requirements §63.11087(a) shall be in compliance at the first degassing and cleaning activity after January 10, 2011 or by January 10, 2018, whichever is first. [§63.11087(b)]

**Testing/Monitoring:**

1. The permittee shall comply with the following requirements: [§63.11092(e)]
  - a) The permittee shall perform inspections of the floating roof system according to the requirements of §63.1063(c)(1). [§63.11092(e)(1)]
    - i) Internal floating roofs shall be inspected as specified in §63.1063(d)(1) before the initial filling of the storage vessel. Subsequent inspections shall be performed as follows: [§63.1063(c)(1)]
      - (1) Internal floating roofs shall be inspected as follows: [§63.1063(c)(1)(i)]
        - (a) At least once per year the IFR shall be inspected as specified in §63.1063(d)(2). [§63.1063(c)(1)(i)(A)]
        - (b) Each time the storage vessel is completely emptied and degassed, or every ten years, whichever occurs first, the IFR shall be inspected as specified in §63.1063(d)(1). [§63.1063(c)(1)(i)(B)]

- (2) Instead of the inspection frequency specified in §63.1063(c)(1)(i), internal floating roofs with two rim seals may be inspected as specified in §63.1063(d)(1) each time the storage vessel is completely emptied and degassed, or every five years, whichever occurs first.  
[§63.1063(c)(1)(ii)]
- ii) Floating roof inspections shall be conducted as specified in §63.1063(d)(1) through (3), as applicable. If a floating roof fails an inspection, the permittee shall comply with the repair requirements of §63.1063(e). [§63.1063(d)]
- (1) Floating roof inspections shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seals from within the storage vessel. The inspection may be performed entirely from the top side of the floating roof, as long as there is visual access to all deck components specified in §63.1063(a). Any of the following conditions constitutes inspection failure:  
[§63.1063(d)(1)]
- (a) Stored liquid on the floating roof. [§63.1063(d)(1)(i)]
- (b) Holes or tears in the primary or secondary seal (if one is present). [§63.1063(d)(1)(ii)]
- (c) Floating roof deck, deck fittings, or rim seals that are not functioning as designed (as specified in §63.1063(a)). [§63.1063(d)(1)(iii)]
- (d) Failure to comply with the operational requirements of §63.1063(b). [§63.1063(d)(1)(iv)]
- (e) Gaps of more than  $\frac{1}{8}$  inch between any deck fitting gasket, seal, or wiper (required by §63.1063(a)) and any surface that it is intended to seal. [§63.1063(d)(1)(v)]
- (2) Tank-top inspections of IFR's shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seal through openings in the fixed roof. Any of the conditions described in §63.1063(d)(1)(i) through (iv) constitutes inspection failure. Identification of holes or tears in the rim seal is required only for the seal that is visible from the top of the storage vessel.  
[§63.1063(d)(2)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). The Notification of Compliance Status shall specify which of the compliance options included in Table 1 to 40 CFR Part 63, Subpart BBBBBB is used to comply with 40 CFR Part 63, Subpart BBBBBB. [§63.11093(b)]
2. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall retain records as specified in §63.1065. [§63.11094(a)]
  - a) The permittee shall retain the records required in §63.1065(a) for as long as liquid is stored. Records required in §63.1065(b), (c), and (d) shall be retained for at least five years. Records shall be retained in such a manner that they can be readily accessed within 24 hours. Records may be retained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche. [§63.1065]
    - i) A record shall be retained of the dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored. [§63.1065(a)]
    - ii) Records of floating roof inspection results shall be retained as follows: [§63.1065(b)]
      - (1) If the floating roof passes inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) and (ii). If the floating roof fails inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) through (v).  
[§63.1065(b)(1)]
        - (a) Identification of the storage vessel that was inspected. [§63.1065(b)(1)(i)]
        - (b) The date of the inspection. [§63.1065(b)(1)(ii)]
        - (c) A description of all inspection failures. [§63.1065(b)(1)(iii)]

- (d) A description of all repairs and the dates they were made. [§63.1065(b)(1)(iv)]
  - (e) The date the storage vessel was removed from service, if applicable. [§63.1065(b)(1)(v)]
  - iii) The permittee shall retain a record of the date when a floating roof is set on its legs or other support devices. The permittee shall also retain a record of the date when the roof was refloated, and the record shall indicate whether the process of refloating was continuous. [§63.1065(c)]
  - iv) If the permittee elects to use an extension in accordance with §63.1063(c)(2)(iv)(B), the permittee shall retain the documentation required by those paragraphs. [§63.1065(d)]
2. The permittee shall retain the following records: [§63.11094(g)]
    - a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
    - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
  3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
  4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) The information specified in §63.1066. [§63.11095(a)(1)]
    - i) The content of the notification of initial startup shall include (at a minimum) the following information: [§63.1066(a)]
      - (1) The identification of each storage vessel, its capacity and the liquid stored in the storage vessel. [§63.1066(a)(1)]
      - (2) A statement of whether the permittee can achieve compliance by the compliance date. [§63.1066(a)(2)]
    - ii) Report the information specified in §63.1066(b)(1) through (4), as applicable, in the periodic report. [§63.1066(b)]
      - (1) Notification of inspection. To provide the Administrator the opportunity to have an observer present, the permittee shall notify the Administrator at least 30 days before an inspection required by §63.1063(d)(1). If an inspection is unplanned and the permittee could not have known about the inspection 30 days in advance, then the permittee shall notify the Administrator at least seven days before the inspection. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven days before the inspection. If a delegated state or local agency is notified, the permittee is not required to notify the Administrator. A delegated state or local agency may waive the requirement for notification of inspections. [§63.1066(b)(1)]
      - (2) The permittee shall submit a copy of the inspection record (required in §63.1065) when inspection failures occur. [§63.1066(b)(2)]
      - (3) If the permittee requests the use of an alternate control device, the permittee shall submit a written application including emissions test results and an analysis demonstrating that the alternate device has an emission factor that is less than or equal to the device specified in §63.1063. [§63.1066(b)(3)]
      - (4) If the permittee elects to use an extension in accordance with or §63.1063(c)(2)(iv)(B), the permittee shall submit the documentation required by that paragraph. [§63.1066(b)(4)]

- b) For storage vessels complying with §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 §63.11093. [§63.11095(a)(4)]
2. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
3. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 339 – Jet Kerosene**

2.14 Million Gallon Vertical Fixed Roof Tank, Constructed in 1984

### **PERMIT CONDITION 339 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

1. The permittee shall only store jet kerosene or other petroleum liquids which have the same or lower emissions of VOC and HAP than jet kerosene within Tank 339.
2. The permittee shall limit the throughput of Tank 339 to 160,004,266 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 0.0127 psia within Tank 339. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

#### **Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 339, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 339 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

#### **Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 339 - 002**

10 CSR 10-6.060 Construction Permits Required  
Construction Permit 0184-047 to 0184-050, Issued November 28, 1983

**Monitoring/Recordkeeping:**

1. Special Condition 2: The permittee shall retain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
2. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**Tank 340 – Gasoline**

3.69 Million Gallon Internal Floating Roof Tank, Constructed in 1984

**PERMIT CONDITION 340 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

**Operational Limitations:**

1. The permittee shall only store gasoline or other petroleum liquids which have the same or lower emissions of VOC and HAP than gasoline within Tank 340.
2. The permittee shall limit the throughput of Tank 340 to 315,004,447 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 10.3701 psia within Tank 340. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 340, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 340 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 340 - 002**

10 CSR 10-6.060 Construction Permits Required  
Construction Permit 0184-047 to 0184-050, Issued November 28, 1983

**Monitoring/Recordkeeping:**

1. Special Condition 2: The permittee shall retain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
2. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 340 - 003**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

**Operational Limitations:**

1. The permittee shall not store any petroleum liquid having a true vapor pressure of 1.5 psia or greater at 90°F, unless the storage tank is a pressure tank capable of maintaining working pressures sufficient at all times to prevent VOC vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices: [10 CSR 10-2.260(3)(A)1]
  - a) A floating roof, consisting of a pontoon type, double-deck type or internal floating cover, or external floating cover, that rests on the surface of the liquid contents and is equipped with a closure seal(s) to close the space between the roof edge and tank wall. [10 CSR 10-2.260(3)(A)1.A]
  - b) A vapor recovery system with all storage tank gauging and sampling devices gas-tight, except when gauging or sampling is taking place. The vapor disposal portion of the vapor recovery system shall consist of an adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapor and gases from the equipment being controlled; or [10 CSR 10-2.260(3)(A)1.B]
  - c) Other equipment or means of equal efficiency for purposes of air pollution control as approved by the staff director. [10 CSR 10-2.260(3)(A)1.C]
2. The control equipment described in 10 CSR 10-2.260(3)(A)1.A shall not be allowed if the petroleum liquid other than gasoline has a true vapor pressure of 11.1 psia or greater at 90°F. All storage tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [10 CSR 10-2.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall retain written records of maintenance (both routine and unscheduled) performed on the tank, all repairs made, the results of all tests performed and the type and quantity of petroleum liquid stored. [10 CSR 10-2.260(3)(A)3]
2. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 340 - 004**

10 CSR 10-6.070 New Source Performance Regulations

40 CFR Part 60, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984

**Operational Limitations:**

1. The permittee shall equip the storage vessel with: [§60.112a(a)]
  - a) A fixed roof with an internal floating type cover equipped with a continuous closure device between the tank wall and the cover edge. The cover is to be floating at all times, (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's recommended setting. [§60.112a(a)(2)]

**Alternative Compliance Methods:**

If, in the Administrator's judgment, an alternative means of emission limitation will achieve a reduction in emissions at least equivalent to the reduction in emissions achieved by any requirement in §60.112a, the Administrator will publish in the Federal Register a notice permitting the use of the alternative means for purposes of compliance with that requirement. [§60.114a(a)]

**Monitoring/Recordkeeping:**

1. The permittee shall retain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period. [§60.115a(a)]
2. Available data on the typical RVP and the maximum expected storage temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the RVP determined from the sample(s). [§60.115a(b)]
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 340 - 005**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations  
40 CFR Part 63, Subpart BBBB – National Emission Standards for Hazardous Air Pollutants for Source  
Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. The permittee shall equip each floating roof gasoline storage tank according to the applicable requirements in §63.1063(a)(1) and (b), except for the secondary seal requirements under §63.1063(a)(1)(i)(C) and (D). [§63.11087(a) and 2(b) of Table 1 to 40 CFR Part 63, Subpart BBBB]
  - a) Design requirements — [§63.1063(a)]
    - i) Rim seals. [§63.1063(a)(1)]
      - (1) An IFR shall be equipped with one of the following seal configurations: [§63.1063(a)(1)(i)]
        - (a) A liquid-mounted seal. [§63.1063(a)(1)(i)(A)]
        - (b) A mechanical shoe seal. [§63.1063(a)(1)(i)(B)]
    - b) Operational requirements. [§63.1063(b)]
      - i) The floating roof shall float on the stored liquid surface at all times, except when the floating roof is supported by its leg supports or other support devices (e.g., hangers from the fixed roof). [§63.1063(b)(1)]
      - ii) When the storage vessel is storing liquid, but the liquid depth is insufficient to float the floating roof, the process of filling to the point of refloating the floating roof shall be continuous and shall be performed as soon as practical. [§63.1063(b)(2)]
      - iii) Each cover over an opening in the floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall be closed at all times, except when the cover must be open for access. [§63.1063(b)(3)]
      - iv) Each automatic bleeder vent (vacuum breaker vent) and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design. [§63.1063(b)(4)]
      - v) Each unslotted guidepole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. [§63.1063(b)(5)]
3. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart BBBB, except that storage vessels equipped with floating roofs and not meeting the requirements §63.11087(a) shall be in compliance at the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first. [§63.11087(b)]

**Testing/Monitoring:**

1. The permittee shall comply with the following requirements: [§63.11092(e)]
  - a) The permittee shall perform inspections of the floating roof system according to the requirements of §63.1063(c)(1). [§63.11092(e)(1)]

- i) Internal floating roofs shall be inspected as specified in §63.1063(d)(1) before the initial filling of the storage vessel. Subsequent inspections shall be performed as follows: [§63.1063(c)(1)]
  - (1) Internal floating roofs shall be inspected as follows: [§63.1063(c)(1)(i)]
    - (a) At least once per year the IFR shall be inspected as specified in §63.1063(d)(2). [§63.1063(c)(1)(i)(A)]
    - (b) Each time the storage vessel is completely emptied and degassed, or every ten years, whichever occurs first, the IFR shall be inspected as specified in §63.1063(d)(1). [§63.1063(c)(1)(i)(B)]
  - (2) Instead of the inspection frequency specified in §63.1063(c)(1)(i), internal floating roofs with two rim seals may be inspected as specified in §63.1063(d)(1) each time the storage vessel is completely emptied and degassed, or every five years, whichever occurs first. [§63.1063(c)(1)(ii)]
- ii) Floating roof inspections shall be conducted as specified in §63.1063(d)(1) through (3), as applicable. If a floating roof fails an inspection, the permittee shall comply with the repair requirements of §63.1063(e). [§63.1063(d)]
  - (1) Floating roof inspections shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seals from within the storage vessel. The inspection may be performed entirely from the top side of the floating roof, as long as there is visual access to all deck components specified in §63.1063(a). Any of the following conditions constitutes inspection failure: [§63.1063(d)(1)]
    - (a) Stored liquid on the floating roof. [§63.1063(d)(1)(i)]
    - (b) Holes or tears in the primary or secondary seal (if one is present). [§63.1063(d)(1)(ii)]
    - (c) Floating roof deck, deck fittings, or rim seals that are not functioning as designed (as specified in §63.1063(a)). [§63.1063(d)(1)(iii)]
    - (d) Failure to comply with the operational requirements of §63.1063(b). [§63.1063(d)(1)(iv)]
    - (e) Gaps of more than  $\frac{1}{8}$  inch between any deck fitting gasket, seal, or wiper (required by §63.1063(a)) and any surface that it is intended to seal. [§63.1063(d)(1)(v)]
  - (2) Tank-top inspections of IFR's shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seal through openings in the fixed roof. Any of the conditions described in §63.1063(d)(1)(i) through (iv) constitutes inspection failure. Identification of holes or tears in the rim seal is required only for the seal that is visible from the top of the storage vessel. [§63.1063(d)(2)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). The Notification of Compliance Status shall specify which of the compliance options included in Table 1 to 40 CFR Part 63, Subpart BBBBBB is used to comply with 40 CFR Part 63, Subpart BBBBBB. [§63.11093(b)]
2. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall retain records as specified in §63.1065. [§63.11094(a)]
  - a) The permittee shall retain the records required in §63.1065(a) for as long as liquid is stored. Records required in §63.1065(b), (c), and (d) shall be retained for at least five years. Records shall be retained in such a manner that they can be readily accessed within 24 hours. Records may be retained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche. [§63.1065]
    - i) A record shall be retained of the dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored. [§63.1065(a)]

- ii) Records of floating roof inspection results shall be retained as follows: [§63.1065(b)]
    - (1) If the floating roof passes inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) and (ii). If the floating roof fails inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) through (v).
      - [§63.1065(b)(1)]
      - (a) Identification of the storage vessel that was inspected. [§63.1065(b)(1)(i)]
      - (b) The date of the inspection. [§63.1065(b)(1)(ii)]
      - (c) A description of all inspection failures. [§63.1065(b)(1)(iii)]
      - (d) A description of all repairs and the dates they were made. [§63.1065(b)(1)(iv)]
      - (e) The date the storage vessel was removed from service, if applicable. [§63.1065(b)(1)(v)]
  - iii) The permittee shall retain a record of the date when a floating roof is set on its legs or other support devices. The permittee shall also retain a record of the date when the roof was refloated, and the record shall indicate whether the process of refloating was continuous. [§63.1065(c)]
  - iv) If the permittee elects to use an extension in accordance with §63.1063(c)(2)(iv)(B), the permittee shall retain the documentation required by those paragraphs. [§63.1065(d)]
- 2. The permittee shall retain the following records: [§63.11094(g)]
    - a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
    - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
  - 3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
  - 4. Records may be retained electronically or in paper form.

**Reporting:**

- 1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) The information specified in §63.1066. [§63.11095(a)(1)]
    - i) The content of the notification of initial startup shall include (at a minimum) the following information: [§63.1066(a)]
      - (1) The identification of each storage vessel, its capacity and the liquid stored in the storage vessel. [§63.1066(a)(1)]
      - (2) A statement of whether the permittee can achieve compliance by the compliance date. [§63.1066(a)(2)]
    - ii) Report the information specified in §63.1066(b)(1) through (4), as applicable, in the periodic report. [§63.1066(b)]
      - (1) Notification of inspection. To provide the Administrator the opportunity to have an observer present, the permittee shall notify the Administrator at least 30 days before an inspection required by §63.1063(d)(1). If an inspection is unplanned and the permittee could not have known about the inspection 30 days in advance, then the permittee shall notify the Administrator at least seven days before the inspection. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven days before the inspection. If a delegated state or local agency is notified, the permittee is not required to notify the Administrator. A delegated state or local agency may waive the requirement for notification of inspections. [§63.1066(b)(1)]

- (2) The permittee shall submit a copy of the inspection record (required in §63.1065) when inspection failures occur. [§63.1066(b)(2)]
- (3) If the permittee requests the use of an alternate control device, the permittee shall submit a written application including emissions test results and an analysis demonstrating that the alternate device has an emission factor that is less than or equal to the device specified in §63.1063. [§63.1066(b)(3)]
- (4) If the permittee elects to use an extension in accordance with or §63.1063(c)(2)(iv)(B), the permittee shall submit the documentation required by that paragraph. [§63.1066(b)(4)]
- b) For storage vessels complying with §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 §63.11093. [§63.11095(a)(4)]
2. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
3. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

### **Tank 351 – Transmix**

1.20 Million Gallon Internal Floating Roof Tank, Constructed in 1983

### **PERMIT CONDITION 351 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

1. The permittee shall only store transmix or other petroleum liquids which have the same or lower emissions of VOC and HAP than transmix within Tank 351.
2. The permittee shall limit the throughput of Tank 351 to 30,004,551 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.
3. The permittee shall only store petroleum liquids with a maximum vapor pressure less than or equal to 4.5575 psia within Tank 351. The maximum vapor pressure of the tank shall be determined using EPA's TANKS program or as calculated using the equations in AP-42 *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

#### **Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 351, documenting the contents of the tank and the maximum vapor pressure of the contents. The permittee shall use meteorological data for Kansas City, Missouri to determine the liquid and ambient temperatures. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 351 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.

4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 351 - 002**

10 CSR 10-6.060 Construction Permits Required  
Construction Permit 0184-047 to 0184-050, Issued November 28, 1983

**Monitoring/Recordkeeping:**

1. Special Condition 2: The permittee shall retain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
2. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 351 - 003**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

**Operational Limitations:**

1. The permittee shall not store any petroleum liquid having a true vapor pressure of 1.5 psia or greater at 90°F, unless the storage tank is a pressure tank capable of maintaining working pressures sufficient at all times to prevent VOC vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices: [10 CSR 10-2.260(3)(A)1]
  - a) A floating roof, consisting of a pontoon type, double-deck type or internal floating cover, or external floating cover, that rests on the surface of the liquid contents and is equipped with a closure seal(s) to close the space between the roof edge and tank wall. [10 CSR 10-2.260(3)(A)1.A]
  - b) A vapor recovery system with all storage tank gauging and sampling devices gas-tight, except when gauging or sampling is taking place. The vapor disposal portion of the vapor recovery system shall consist of an adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapor and gases from the equipment being controlled; or [10 CSR 10-2.260(3)(A)1.B]
  - c) Other equipment or means of equal efficiency for purposes of air pollution control as approved by the staff director. [10 CSR 10-2.260(3)(A)1.C]
2. The control equipment described in 10 CSR 10-2.260(3)(A)1.A shall not be allowed if the petroleum liquid other than gasoline has a true vapor pressure of 11.1 psia or greater at 90°F. All storage tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [10 CSR 10-2.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall retain written records of maintenance (both routine and unscheduled) performed on the tank, all repairs made, the results of all tests performed and the type and quantity of petroleum liquid stored. [10 CSR 10-2.260(3)(A)3]
2. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
3. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 351 - 004**

10 CSR 10-6.070 New Source Performance Regulations

40 CFR Part 60, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984

**Operational Limitations:**

1. The permittee shall equip the storage vessel with: [§60.112a(a)]
  - a) A fixed roof with an internal floating type cover equipped with a continuous closure device between the tank wall and the cover edge. The cover is to be floating at all times, (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's recommended setting. [§60.112a(a)(2)]

**Alternative Compliance Methods:**

If, in the Administrator's judgment, an alternative means of emission limitation will achieve a reduction in emissions at least equivalent to the reduction in emissions achieved by any requirement in §60.112a, the Administrator will publish in the Federal Register a notice permitting the use of the alternative means for purposes of compliance with that requirement. [§60.114a(a)]

**Monitoring/Recordkeeping:**

1. The permittee shall retain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period. [§60.115a(a)]
2. Available data on the typical RVP and the maximum expected storage temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the RVP determined from the sample(s). [§60.115a(b)]
3. The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION 351 - 005**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations  
40 CFR Part 63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source  
Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. The permittee shall equip each floating roof gasoline storage tank according to the applicable requirements in §63.1063(a)(1) and (b), except for the secondary seal requirements under §63.1063(a)(1)(i)(C) and (D). [§63.11087(a) and 2(b) of Table 1 to 40 CFR Part 63, Subpart BBBBBB]
  - a) Design requirements — [§63.1063(a)]
    - i) Rim seals. [§63.1063(a)(1)]
      - (1) An IFR shall be equipped with one of the following seal configurations: [§63.1063(a)(1)(i)]
        - (a) A liquid-mounted seal. [§63.1063(a)(1)(i)(A)]
        - (b) A mechanical shoe seal. [§63.1063(a)(1)(i)(B)]
    - b) Operational requirements. [§63.1063(b)]
      - i) The floating roof shall float on the stored liquid surface at all times, except when the floating roof is supported by its leg supports or other support devices (e.g., hangers from the fixed roof). [§63.1063(b)(1)]
      - ii) When the storage vessel is storing liquid, but the liquid depth is insufficient to float the floating roof, the process of filling to the point of refloating the floating roof shall be continuous and shall be performed as soon as practical. [§63.1063(b)(2)]
      - iii) Each cover over an opening in the floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall be closed at all times, except when the cover must be open for access. [§63.1063(b)(3)]
      - iv) Each automatic bleeder vent (vacuum breaker vent) and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design. [§63.1063(b)(4)]
      - v) Each unslotted guidepole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. [§63.1063(b)(5)]
  3. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart BBBBBB, except that storage vessels equipped with floating roofs and not meeting the requirements §63.11087(a) shall be in compliance at the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first. [§63.11087(b)]

**Testing/Monitoring:**

1. The permittee shall comply with the following requirements: [§63.11092(e)]

- a) The permittee shall perform inspections of the floating roof system according to the requirements of §63.1063(c)(1). [§63.11092(e)(1)]
- i) Internal floating roofs shall be inspected as specified in §63.1063(d)(1) before the initial filling of the storage vessel. Subsequent inspections shall be performed as follows: [§63.1063(c)(1)]
- (1) Internal floating roofs shall be inspected as follows: [§63.1063(c)(1)(i)]
- (a) At least once per year the IFR shall be inspected as specified in §63.1063(d)(2). [§63.1063(c)(1)(i)(A)]
- (b) Each time the storage vessel is completely emptied and degassed, or every ten years, whichever occurs first, the IFR shall be inspected as specified in §63.1063(d)(1). [§63.1063(c)(1)(i)(B)]
- (2) Instead of the inspection frequency specified in §63.1063(c)(1)(i), internal floating roofs with two rim seals may be inspected as specified in §63.1063(d)(1) each time the storage vessel is completely emptied and degassed, or every five years, whichever occurs first. [§63.1063(c)(1)(ii)]
- ii) Floating roof inspections shall be conducted as specified in §63.1063(d)(1) through (3), as applicable. If a floating roof fails an inspection, the permittee shall comply with the repair requirements of §63.1063(e). [§63.1063(d)]
- (1) Floating roof inspections shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seals from within the storage vessel. The inspection may be performed entirely from the top side of the floating roof, as long as there is visual access to all deck components specified in §63.1063(a). Any of the following conditions constitutes inspection failure: [§63.1063(d)(1)]
- (a) Stored liquid on the floating roof. [§63.1063(d)(1)(i)]
- (b) Holes or tears in the primary or secondary seal (if one is present). [§63.1063(d)(1)(ii)]
- (c) Floating roof deck, deck fittings, or rim seals that are not functioning as designed (as specified in §63.1063(a)). [§63.1063(d)(1)(iii)]
- (d) Failure to comply with the operational requirements of §63.1063(b). [§63.1063(d)(1)(iv)]
- (e) Gaps of more than  $\frac{1}{8}$  inch between any deck fitting gasket, seal, or wiper (required by §63.1063(a)) and any surface that it is intended to seal. [§63.1063(d)(1)(v)]
- (2) Tank-top inspections of IFR's shall be conducted by visually inspecting the floating roof deck, deck fittings, and rim seal through openings in the fixed roof. Any of the conditions described in §63.1063(d)(1)(i) through (iv) constitutes inspection failure. Identification of holes or tears in the rim seal is required only for the seal that is visible from the top of the storage vessel. [§63.1063(d)(2)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). The Notification of Compliance Status shall specify which of the compliance options included in Table 1 to 40 CFR Part 63, Subpart BBBBBB is used to comply with 40 CFR Part 63, Subpart BBBBBB. [§63.11093(b)]
2. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall retain records as specified in §63.1065. [§63.11094(a)]
  - a) The permittee shall retain the records required in §63.1065(a) for as long as liquid is stored. Records required in §63.1065(b), (c), and (d) shall be retained for at least five years. Records shall be retained in such a manner that they can be readily accessed within 24 hours. Records may be retained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche. [§63.1065]

- i) A record shall be retained of the dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored. [§63.1065(a)]
  - ii) Records of floating roof inspection results shall be retained as follows: [§63.1065(b)]
    - (1) If the floating roof passes inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) and (ii). If the floating roof fails inspection, a record shall be retained that includes the information specified in §63.1065(b)(1)(i) through (v). [§63.1065(b)(1)]
      - (a) Identification of the storage vessel that was inspected. [§63.1065(b)(1)(i)]
      - (b) The date of the inspection. [§63.1065(b)(1)(ii)]
      - (c) A description of all inspection failures. [§63.1065(b)(1)(iii)]
      - (d) A description of all repairs and the dates they were made. [§63.1065(b)(1)(iv)]
      - (e) The date the storage vessel was removed from service, if applicable. [§63.1065(b)(1)(v)]
  - iii) The permittee shall retain a record of the date when a floating roof is set on its legs or other support devices. The permittee shall also retain a record of the date when the roof was refloated, and the record shall indicate whether the process of refloating was continuous. [§63.1065(c)]
  - iv) If the permittee elects to use an extension in accordance with §63.1063(c)(2)(iv)(B), the permittee shall retain the documentation required by those paragraphs. [§63.1065(d)]
2. The permittee shall retain the following records: [§63.11094(g)]
    - a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
    - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
  3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
  4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) The information specified in §63.1066. [§63.11095(a)(1)]
    - i) The content of the notification of initial startup shall include (at a minimum) the following information: [§63.1066(a)]
      - (1) The identification of each storage vessel, its capacity and the liquid stored in the storage vessel. [§63.1066(a)(1)]
      - (2) A statement of whether the permittee can achieve compliance by the compliance date. [§63.1066(a)(2)]
    - ii) Report the information specified in §63.1066(b)(1) through (4), as applicable, in the periodic report. [§63.1066(b)]
      - (1) Notification of inspection. To provide the Administrator the opportunity to have an observer present, the permittee shall notify the Administrator at least 30 days before an inspection required by §63.1063(d)(1). If an inspection is unplanned and the permittee could not have known about the inspection 30 days in advance, then the permittee shall notify the Administrator at least seven days before the inspection. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven days before the inspection. If a delegated state or local agency is notified, the permittee is not required to notify

- the Administrator. A delegated state or local agency may waive the requirement for notification of inspections. [§63.1066(b)(1)]
- (2) The permittee shall submit a copy of the inspection record (required in §63.1065) when inspection failures occur. [§63.1066(b)(2)]
  - (3) If the permittee requests the use of an alternate control device, the permittee shall submit a written application including emissions test results and an analysis demonstrating that the alternate device has an emission factor that is less than or equal to the device specified in §63.1063. [§63.1066(b)(3)]
  - (4) If the permittee elects to use an extension in accordance with or §63.1063(c)(2)(iv)(B), the permittee shall submit the documentation required by that paragraph. [§63.1066(b)(4)]
- b) For storage vessels complying with §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 §63.11093. [§63.11095(a)(4)]
2. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
  3. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

## **LR1 – Gasoline/Ethanol Loading Rack**

Constructed in 1980

### **PERMIT CONDITION LR1 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

1. The permittee shall limit the throughput of the gasoline/ethanol loading rack to 562,500,000 gallons of gasoline and petroleum liquids which have the same or lower emissions of VOC and HAP than gasoline in any consecutive 12-month period. The maximum vapor pressure of the petroleum liquids shall be less than or equal to 6.6753 psia.
2. The permittee shall limit the throughput of the gasoline/ethanol loading rack to 75,000,000 gallons of interface and petroleum liquids which have the same or lower emissions of VOC and HAP than gasoline in any consecutive 12-month period.
3. The two above listed throughput limitations are separate (i.e. the maximum total throughput of the gasoline loading rack shall not exceed 637,500,000 gallons in any consecutive 12-month period).

#### **Monitoring/Recordkeeping:**

1. The permittee shall retain a log for the loading rack documenting the amount, type, and vapor pressure of the petroleum liquid throughput. This log shall document the throughput of the loading rack each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
2. The permittee shall retain potential to emit calculations for each petroleum liquid throughput.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of either of the loading rack throughput limitations.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION LR1 - 002**

10 CSR 10-2.260 Control of Petroleum Liquid Storage, Loading and Transfer

**Operational Limitations:**

1. The permittee shall not cause or permit the loading of gasoline into any delivery vessel from a loading installation unless the loading installation is equipped with a vapor recovery system or equivalent. This system or system equivalent shall be approved by the staff director and the delivery vessel shall be in compliance with 10 CSR 10-2.260(3)(D). [10 CSR 10-2.260(3)(B)1]
2. Loading shall be accomplished in a manner such that the displaced vapors and air are vented only to the vapor recovery system. Measures shall be taken to prevent liquid drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected. The vapor disposal portion of the vapor recovery system shall consist of one of the following: [10 CSR 10-2.260(3)(B)2]
  - a) An adsorber system, condensation system, incinerator or equivalent vapor disposal system that processes the vapors and gases from the equipment being controlled and limits the discharge of VOC into the atmosphere to 10 mg of VOC vapor per liter of gasoline loaded; [10 CSR 10-2.260(3)(B)2.A]
  - b) A vapor handling system that directs the vapor to a fuel gas system; or [10 CSR 10-2.260(3)(B)2.B]
  - c) Other equipment of an efficiency equal to or greater than 10 CSR 10-2.260(3)(B)2.A or B if approved by the staff director. [10 CSR 10-2.260(3)(B)1]
3. The permittee shall not operate or use a gasoline delivery vessel which is loaded at an installation subject to 10 CSR 10-2.260(3)(B) unless — [10 CSR 10-2.260(3)(D)1]
  - a) The delivery vessel is tested annually to demonstrate compliance with the test method specified in §63.425(e); [10 CSR 10-2.260(3)(D)1.A]
  - b) The permittee obtains the completed test results signed by a representative of the testing facility upon successful completion of the leak test. Blank test certification application forms for the test results will be provided to the testing facilities by the department. After the effective date of this rule, any revision to the department supplied forms will be presented to the regulated community for a 45-day comment period. The permittee shall send a copy of the signed successful test results to the staff director. The staff director, upon receipt of acceptable test results, shall issue an official sticker to the permittee; [10 CSR 10-2.260(3)(D)1.B]
  - c) The Missouri sticker is placed on the upper left portion of the back end of the vessel; [10 CSR 10-2.260(3)(D)1.C]
  - d) The delivery vessel is repaired by the permittee and retested within 15 days of testing if it does not meet the leak test criteria of 10 CSR 10-2.260(3)(D)1; and [10 CSR 10-2.260(3)(D)1.D]
  - e) A copy of the vessel's current Tank Truck Tightness Test results are kept with the delivery vessel at all times and made immediately available to the staff director upon request. [10 CSR 10-2.260(3)(D)1.E]
4. If the permittee can demonstrate to the satisfaction of the staff director that the vessel has passed a current annual leak test in another state, the test shall be deemed to have satisfied the requirements of 10 CSR 10-2.260(3)(D)1.A, provided the other state's leak test program requires the same gauge pressure and test procedures as the test specified in 10 CSR 10-2.260(3)(D)1.A. The permittee shall apply for a Missouri

- sticker and display the Missouri sticker on the upper left portion of the back end of the delivery vessel. [10 CSR 10-2.260(3)(D)2]
5. The requirements of 10 CSR 10-2.260(3)(D) shall not be construed to prohibit safety valves or other devices required by governmental regulations. [10 CSR 10-2.260(3)(D)4]
  6. The permittee shall — [10 CSR 10-2.260(3)(E)]
    - a) Operate the vapor recovery system and the gasoline loading equipment in a manner that prevents— [10 CSR 10-2.260(3)(E)1]
      - i) Gauge pressure from exceeding 4.5 kPa in the delivery vessel; [10 CSR 10-2.260(3)(E)1.A]
      - ii) A reading equal to or greater than 100 percent of the lower explosive limit (LEL, measured as propane) at 2.5 cm from all points on the perimeter of a potential leak source when measured by the method referenced in 10 CSR 10-6.030(14)(E) during loading or transfer operations; and [10 CSR 10-2.260(3)(E)1.B]
      - iii) Visible liquid leaks during loading or transfer operation; [10 CSR 10-2.260(3)(E)1.C]
    - b) Repair and retest within 15 days, a vapor recovery system that exceeds the limits in 10 CSR 10-2.260(3)(E); and [10 CSR 10-2.260(3)(E)2]

**Monitoring:**

1. Testing and monitoring procedures to determine compliance with 10 CSR 10-2.260(3)(D) and confirm the continuing existence of leak-tight conditions shall be conducted using the method referenced in 10 CSR 10-6.030(14)(B) or by any method determined by the staff director. [10 CSR 10-2.260(5)(A)]
2. Testing procedures to determine compliance with 10 CSR 10-2.260(3)(B)2.A shall be conducted using the method referenced in 10 CSR 10-6.030(14)(A) or by any method determined by the staff director. [10 CSR 10-2.260(5)(B)]
3. The staff director, at any time, may monitor a delivery vessel, vapor recovery system or gasoline loading equipment by a method determined by the staff director to confirm continuing compliance with this rule. [10 CSR 10-2.260(5)(C)]
4. A static leak decay test of the Stage I vapor recovery system shall be required once every five years to demonstrate system vapor tightness. In addition, a bench test of each pressure/vacuum valve shall be required once every two years to demonstrate component vapor tightness. [10 CSR 10-2.260(5)(D)]
5. Additional testing may also be required by the staff director in order to determine proper functioning of vapor recovery equipment. [10 CSR 10-2.260(5)(E)]

**Recordkeeping:**

1. The permittee shall retain complete records documenting the number of delivery vessels loaded and their owners. [10 CSR 10-2.260(3)(B)3]
2. The permittee shall retain written records of all tests and maintenance performed on the delivery vessels. [10 CSR 10-2.260(3)(D)3]
3. The permittee shall retain written records of inspection reports, enforcement documents, gasoline deliveries, routine and unscheduled maintenance and repairs and all results of tests conducted. [10 CSR 10-2.260(3)(E)3]
4. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
5. Records may be retained electronically or in paper form.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION LR1 - 003**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations  
40 CFR Part 63, Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source  
Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

**Emission and Operational Limitations:**

1. The permittee shall, at all times, operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11085(a)]
2. For each gasoline loading rack the permittee shall: [§63.11088(a)]
  - a) Equip the loading rack with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading; and
  - b) Reduce emissions of TOC to less than or equal to 80 mg/L of gasoline loaded into gasoline cargo tanks at the loading rack; and
  - c) Design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack or lane from passing through another loading rack or lane to the atmosphere; and
  - d) Limit the loading of gasoline into gasoline cargo tanks that are vapor tight using the procedures specified in §60.502(e) through (j). For the purposes of §63.11088, the term “tank truck” as used in §60.502(e) through (j) means “cargo tank” as defined in §63.11100.
    - i) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures: [§60.502(e)]
      - (1) The permittee shall obtain the vapor tightness documentation described in §63.11094(b)(2) for each gasoline tank truck which is to be loaded at the affected facility. [§60.502(e)(1)]
      - (2) The permittee shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility. [§60.502(e)(2)]
      - (3) The permittee shall cross-check each tank identification number obtained in §60.502(e)(2) with the file of tank vapor tightness documentation within two weeks after the corresponding tank is loaded. [§60.502(e)(3)]
      - (4) The permittee shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within one week of the documentation cross-check in §60.502(e)(3). [§60.502(e)(4)]
      - (5) The permittee shall take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained. [§60.502(e)(5)]
      - (6) Alternate procedures to those described in §60.502(e)(1) through (5) for limiting gasoline tank truck loadings may be used upon application to, and approval by, the Administrator. [§60.502(e)(6)]
    - ii) The permittee shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. [§60.502(f)]
    - iii) The permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks. [§60.502(g)]

- iv) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4.5 kPa during product loading. This level is not to be exceeded when measured by the procedures specified in §60.503(d). [§60.502(h)]
- v) No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4.5 kPa. [§60.502(i)]
- vi) Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected. [§60.502(j)]

**Testing/Monitoring:**

1. The permittee shall comply with the requirements in §63.11092(a) through (d). [§63.11092(a)]
  - a) Conduct a performance test on the vapor processing and collection systems according to the following requirements: [§63.11092(a)(1)]
    - i) Use the test methods and procedures in §60.503, except a reading of 500 parts per million shall be used to determine the level of leaks to be repaired under §60.503(b). [§63.11092(a)(1)(i)]
      - (1) In conducting the performance tests required in §60.8, the permittee shall use as reference methods and procedures the test methods in Appendix A of 40 CFR Part 60 or other methods and procedures as specified in §63.503, except as provided in §60.8(b). The three-run requirement of §60.8(f) does not apply to this subpart. [§60.503(a)]
      - (2) Immediately before the performance test required to determine compliance with §60.502(h), the permittee shall use Method 21 to monitor for leakage of vapor all potential sources in the terminal's vapor collection system equipment while a gasoline tank truck is being loaded. The permittee shall repair all leaks with readings of 500 ppm (as methane) or greater before conducting the performance test. [§60.503(b)]
      - (3) The permittee shall determine compliance with the standard in §60.502(h) as follows: [§60.503(d)]
        - (a) A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with  $\pm 2.5$  mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck. [§60.503(d)(1)]
        - (b) During the performance test, the pressure shall be recorded every five minutes while a gasoline truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position shall be tested at least once during the performance test. [§60.503(d)(2)]
    - ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in §63.7(f). [§63.11092(a)(1)(ii)]
  - b) If the permittee is in compliance with the 10 mg/L VOC emission limit of 10 CSR 10-2.260(3)(B)2.A, the permittee may submit a statement by a responsible official certifying the compliance status of the loading rack in lieu of the test required under §63.11092(a)(1). [§63.11092(a)(2)]
2. The permittee shall install, calibrate, certify, operate, and maintain, according to the manufacturer's specifications, a continuous monitoring system (CMS) while gasoline vapors are displaced to the vapor processor systems, as specified in §63.11092(b)(1) through (5). [§63.11092(b)]
  - a) For each performance test conducted under §63.11092(a)(1), the permittee shall determine a monitored operating parameter value for the vapor processing system using the procedures specified in

§63.11092(b)(1)(i) through (iv). During the performance test, continuously record the operating parameter as specified under §63.11092(b)(1)(i) through (iv). [§63.11092(b)(1)]

- i) For each carbon adsorption system, the permittee shall monitor the operation of the system as specified in §63.11092(b)(1)(i)(A) or (B). [§63.11092(b)(1)(i)]
  - (1) A continuous emissions monitoring system (CEMS) capable of measuring organic compound concentration shall be installed in the exhaust air stream. [§63.11092(b)(1)(i)(A)]
  - (2) As an alternative to §63.11092(b)(1)(i)(A), the permittee may meet the requirements listed in §63.11092(b)(1)(i)(B)(I) and (2). [§63.11092(b)(1)(i)(B)]
    - (a) Carbon adsorption devices shall be monitored as follows: [§63.11092(b)(1)(i)(B)(I)]
      - (i) Vacuum level shall be monitored using a pressure transmitter installed in the vacuum pump suction line, with the measurements displayed on a gauge that can be visually observed. Each carbon bed shall be observed during one complete regeneration cycle on each day of operation of the loading rack to determine the maximum vacuum level achieved. [§63.11092(b)(1)(i)(B)(I)(i)]
      - (ii) Conduct annual testing of the carbon activity for the carbon in each carbon bed. Carbon activity shall be tested in accordance with the butane working capacity test of the American Society for Testing and Materials (ASTM) Method D 5228–92 (incorporated by reference, see §63.14), or by another suitable procedure as recommended by the manufacturer. [§63.11092(b)(1)(i)(B)(I)(ii)]
      - (iii) Conduct monthly measurements of the carbon bed outlet VOC concentration over the last five minutes of an adsorption cycle for each carbon bed, documenting the highest measured VOC concentration. Measurements shall be made using a portable analyzer, or a permanently mounted analyzer, in accordance with 40 CFR Part 60, Appendix A–7, EPA Method 21 for open-ended lines. [§63.11092(b)(1)(B)(I)(iii)]
    - (b) Develop and submit to the Administrator a monitoring and inspection plan that describes the permittee’s approach for meeting the following requirements: [§63.11092(b)(1)(i)(B)(2)]
      - (i) The lowest maximum required vacuum level and duration needed to assure regeneration of the carbon beds shall be determined by an engineering analysis or from the manufacturer's recommendation and shall be documented in the monitoring and inspection plan. [§63.11092(b)(1)(i)(B)(2)(i)]
      - (ii) The permittee shall verify, during each day of operation of the loading rack, the proper valve sequencing, cycle time, gasoline flow, purge air flow, and operating temperatures. Verification shall be through visual observation, or through an automated alarm or shutdown system that monitors system operation. A manual or electronic record of the start and end of a shutdown event may be used. [§63.11092(b)(1)(i)(B)(2)(ii)]
      - (iii) The permittee shall perform semi-annual preventive maintenance inspections of the carbon adsorption system, including the automated alarm or shutdown system for those units so equipped, according to the recommendations of the manufacturer of the system. [§63.11092(b)(1)(i)(B)(2)(iii)]
      - (iv) The monitoring plan developed under §63.11092(b)(1)(i)(B)(2) shall specify conditions that would be considered malfunctions of the carbon adsorption system during the inspections or automated monitoring performed under §63.11092(b)(1)(i)(B)(2)(i) through (iii), describe specific corrective actions that will be taken to correct any malfunction, and define what the permittee would consider to be a timely repair for each potential malfunction. [§63.11092(b)(1)(i)(B)(2)(iv)]
      - (v) The permittee shall document the maximum vacuum level observed on each carbon bed from each daily inspection and the maximum VOC concentration observed from each carbon bed on each monthly inspection as well as any system malfunction, as defined in

- the monitoring and inspection plan, and any activation of the automated alarm or shutdown system with a written entry into a log book or other permanent form of record. Such record shall also include a description of the corrective action taken and whether such corrective actions were taken in a timely manner, as defined in the monitoring and inspection plan, as well as an estimate of the amount of gasoline loaded during the period of the malfunction. [§63.11092(b)(1)(i)(B)(2)(v)]
- ii) For each thermal oxidation system, the permittee shall monitor the operation of the system as follows: [§63.11092(b)(1)(iii)]
- (1) A CPMS capable of measuring temperature shall be installed in the firebox or in the ductwork immediately downstream from the firebox in a position before any substantial heat exchange occurs. [§63.11092(b)(1)(iii)(A)]
- (2) As an alternative to §63.11092(b)(1)(iii)(A), the permittee may meet the following requirements: [§63.11092(b)(1)(iii)(B)]
- (a) The presence of a thermal oxidation system pilot flame shall be monitored using a heat-sensing device, such as an ultraviolet beam sensor or a thermocouple, installed in proximity of the pilot light, to indicate the presence of a flame. The heat-sensing device shall send a positive parameter value to indicate that the pilot flame is on, or a negative parameter value to indicate that the pilot flame is off. [§63.11092(b)(1)(iii)(B)(I)]
- (b) Develop and submit to the Administrator a monitoring and inspection plan that describes the permittee's approach for meeting the following requirements: [§63.11092(b)(1)(iii)(B)(2)]
- (i) The thermal oxidation system shall be equipped to automatically prevent gasoline loading operations from beginning at any time that the pilot flame is absent. [§63.11092(b)(1)(iii)(B)(2)(i)]
- (ii) The permittee shall verify, during each day of operation of the loading rack, the proper operation of the assist-air blower and the vapor line valve. Verification shall be through visual observation, or through an automated alarm or shutdown system that monitors system operation. A manual or electronic record of the start and end of a shutdown event may be used. [§63.11092(b)(1)(iii)(B)(2)(ii)]
- (iii) The permittee shall perform semi-annual preventive maintenance inspections of the thermal oxidation system, including the automated alarm or shutdown system for those units so equipped, according to the recommendations of the manufacturer of the system. [§63.11092(b)(1)(iii)(B)(2)(iii)]
- (iv) The monitoring plan developed under §63.11092(b)(1)(iii)(B)(2) shall specify conditions that would be considered malfunctions of the thermal oxidation system during the inspections or automated monitoring performed under §63.11092(b)(1)(iii)(B)(2)(ii) and (iii), describe specific corrective actions that will be taken to correct any malfunction, and define what the permittee would consider to be a timely repair for each potential malfunction. [§63.11092(b)(1)(iii)(B)(2)(iv)]
- (v) The permittee shall document any system malfunction, as defined in the monitoring and inspection plan, and any activation of the automated alarm or shutdown system with a written entry into a log book or other permanent form of record. Such record shall also include a description of the corrective action taken and whether such corrective actions were taken in a timely manner, as defined in the monitoring and inspection plan, as well as an estimate of the amount of gasoline loaded during the period of the malfunction. [§63.11092(b)(1)(iii)(B)(2)(v)]
- iii) Monitoring an alternative operating parameter or a parameter of a vapor processing system other than those listed in §63.11092(b)(1)(i) through (iii) will be allowed upon demonstrating to the

- Administrator's satisfaction that the alternative parameter demonstrates continuous compliance with the emission standard in §63.11088(a). [§63.11092(b)(1)(iv)]
- b) Determine an operating parameter value based on the parameter data monitored during the performance test, supplemented by engineering assessments and the manufacturer's recommendations. [§63.11092(b)(3)]
  - c) Provide for the Administrator's approval the rationale for the selected operating parameter value, monitoring frequency, and averaging time, including data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the emission standard in §63.11088(a). [§63.11092(b)(4)]
  - d) If the permittee has chosen to comply with the performance testing alternatives provided under §63.11092(a)(2), the monitored operating parameter value may be determined according to the following provisions: [§63.11092(b)(5)]
    - i) Monitor an operating parameter that has been approved by the Administrator and is specified in this current enforceable operating permit. At the time that the Administrator requires a new performance test, the permittee shall determine the monitored operating parameter value according to the requirements specified in §63.11092(b). [§63.11092(b)(5)(i)]
    - ii) Determine an operating parameter value based on engineering assessment and the manufacturer's recommendation and submit the information specified in §63.11092(b)(4) for approval by the Administrator. At the time that the Administrator requires a new performance test, the permittee shall determine the monitored operating parameter value according to the requirements specified in §63.11092(b). [§63.11092(b)(5)(ii)]
3. For performance tests performed after the initial test required under §63.11092(a), the permittee shall document the reasons for any change in the operating parameter value since the previous performance test. [§63.11092(c)]
4. The permittee shall comply with the following requirements: [§63.11092(d)]
- a) Operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in §63.11092(b)(1). [§63.11092(d)(1)]
  - b) In cases where an alternative parameter pursuant to §63.11092(b)(1)(iv) or §63.11092(b)(5)(i) is approved, the permittee shall operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the alternative operating parameter value. [§63.11092(d)(2)]
  - c) Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in §63.11088(a), except as specified in §63.11092(d)(4). [§63.11092(d)(3)]
  - d) For the monitoring and inspection, as required under §63.11092(b)(1)(i)(B)(2) and (iii)(B)(2), malfunctions that are discovered shall not constitute a violation of the emission standard in §63.11088(a) if corrective actions as described in the monitoring and inspection plan are followed. The permittee shall: [§63.11092(d)(4)]
    - i) Initiate corrective action to determine the cause of the problem within one hour; [§63.11092(d)(4)(i)]
    - ii) Initiate corrective action to fix the problem within 24 hours; [§63.11092(d)(4)(ii)]
    - iii) Complete all corrective actions needed to fix the problem as soon as practicable consistent with good air pollution control practices for minimizing emissions; [§63.11092(d)(4)(iii)]
    - iv) Minimize periods of start-up, shutdown, or malfunction; and [§63.11092(d)(4)(iv)]
    - v) Take any necessary corrective actions to restore normal operation and prevent the recurrence of the cause of the problem. [§63.11092(d)(4)(v)]
5. The annual certification test for gasoline cargo tanks shall consist of one of the following test methods: [§63.11092(f)]

- a) EPA Method 27, Appendix A–8, 40 CFR Part 60. Conduct the test using a time period (t) for the pressure and vacuum tests of five minutes. The initial pressure ( $P_i$ ) for the pressure test shall be 18 inches of water, gauge. The initial vacuum ( $V_i$ ) for the vacuum test shall be 6 inches of water, gauge. The maximum allowable pressure and vacuum changes ( $\Delta p$ ,  $\Delta v$ ) for all affected gasoline cargo tanks is 3 inches of water, or less, in five minutes. [§63.11092(f)(1)]
6. Performance tests conducted for 40 CFR Part 63, Subpart BBBB shall be conducted under such conditions as the Administrator specifies to the permittee, based on representative performance (i.e., performance based on normal operating conditions) of the affected source. Upon request, the permittee shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests. [§63.11092(g)]

**Notifications:**

1. The permittee shall submit a Notification of Compliance Status as specified in §63.9(h). [§63.11093(b)]
2. The permittee shall submit a Notification of Performance Test, as specified in §63.9(e), prior to initiating testing required by §63.11092(a) or §63.11092(b). [§63.11093(c)]
3. The permittee shall submit additional notifications specified in §63.9, as applicable. [§63.11093(d)]

**Recordkeeping:**

1. The permittee shall retain records of the test results for each gasoline cargo tank loading at the facility as follows: [§63.11094(b)]
  - a) Annual certification testing performed under §63.11092(f)(1) and periodic railcar bubble leak testing performed under §63.11092(f)(2). [§63.11094(b)(1)]
  - b) The documentation file shall be retained up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information: [§63.11094(b)(2)]
    - i) Name of test: Annual Certification Test—Method 27 or Periodic Railcar Bubble Leak Test Procedure. [§63.11094(b)(2)(i)]
    - ii) Cargo tank owner's name and address. [§63.11094(b)(2)(ii)]
    - iii) Cargo tank identification number. [§63.11094(b)(2)(iii)]
    - iv) Test location and date. [§63.11094(b)(2)(iv)]
    - v) Tester name and signature. [§63.11094(b)(2)(v)]
    - vi) Witnessing inspector, if any: Name, signature, and affiliation. [§63.11094(b)(2)(vi)]
    - vii) Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing. [§63.11094(b)(2)(vii)]
    - viii) Test results: Test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition. [§63.11094(b)(2)(viii)]
  - c) If the permittee is complying with the alternative requirements in §63.11088(b), the permittee shall retain records documenting that the permittee has verified the vapor tightness testing according to the requirements of the Administrator. [§63.11094(b)(3)]
2. As an alternative to retaining records at the terminal of each gasoline cargo tank test result as required in §63.11094(b), the permittee may comply with the one of the following requirements: [§63.11094(c)]
  - a) An electronic copy of each record is instantly available at the terminal. [§63.11094(c)(1)]
    - i) The copy of each record in §63.11094(c)(1) is an exact duplicate image of the original paper record with certifying signatures. [§63.11094(c)(1)(i)]
    - ii) The Administrator is notified in writing that each terminal using this alternative is in compliance with §63.11094(c)(1). [§63.11094(c)(1)(ii)]
  - b) If the permittee uses a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the

documentation is made available (e.g., via facsimile) for inspection by the Administrator's delegated representatives during the course of a site visit, or within a mutually agreeable time frame.

[§63.11094(c)(2)]

- i) The copy of each record in §63.11094(c)(2) is an exact duplicate image of the original paper record with certifying signatures. [§63.11094(c)(2)(i)]
  - ii) The Administrator is notified in writing that each terminal using this alternative is in compliance with §63.11094(c)(2). [§63.11094(c)(2)(ii)]
3. The permittee shall: [§63.11094(f)]
- a) Retain an up-to-date, readily accessible record of the continuous monitoring data required under §63.11092(b). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record. [§63.11094(f)(1)]
  - b) Record and report simultaneously with the Notification of Compliance Status required under §63.11093(b): [§63.11094(f)(2)]
    - i) All data and calculations, engineering assessments, and manufacturer's recommendations used in determining the operating parameter value under §63.11092(b); and [§63.11094(f)(2)(i)]
  - c) Retain an up-to-date, readily accessible copy of the monitoring and inspection plan required under §63.11092(b)(1)(i)(B)(2) or (iii)(B)(2). [§63.11094(f)(3)]
  - d) Retain an up-to-date, readily accessible record of all system malfunctions, as specified in §63.11092(b)(1)(i)(B)(2)(v) or (iii)(B)(2)(v). [§63.11094(f)(4)]
  - e) If the permittee requests approval to use a vapor processing system or monitor an operating parameter other than those specified in §63.11092(b), the permittee shall submit a description of planned reporting and recordkeeping procedures. [§63.11094(f)(5)]
4. The permittee shall retain the following records: [§63.11094(g)]
- a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11094(g)(1)]
  - b) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11094(g)(2)]
5. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
6. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall include in a semi-annual compliance report to the Administrator the following information, as applicable: [§63.11095(a)]
  - a) Each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the permittee. [§63.11095(a)(2)]
2. The permittee shall submit an excess emissions report to the Administrator at the time the semi-annual compliance report is submitted. Excess emissions events under this subpart, and the information to be included in the excess emissions report, are specified as follows: [§63.11095(b)]
  - a) Each instance of a non-vapor-tight gasoline cargo tank loading at the facility in which the permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained. [§63.11095(b)(1)]
  - b) Each reloading of a non-vapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with §63.11094(b). [§63.11095(b)(2)]

- c) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under §63.11092(b). The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the CMS. [§63.11095(b)(3)]
- d) Each instance in which malfunctions discovered during the monitoring and inspections required under §63.11092(b)(1)(i)(B)(2) and (iii)(B)(2) were not resolved according to the necessary corrective actions described in the monitoring and inspection plan. The report shall include a description of the malfunction and the timing of the steps taken to correct the malfunction. [§63.11095(b)(4)]
3. The permittee shall submit a semi-annual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semi-annual compliance report, if one is required. The permittee is not required to submit reports for periods during which no malfunctions occurred. [§63.11095(d)]
4. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

## **LR2 – Distillate Fuel Oil Loading Rack**

### **PERMIT CONDITION LR2 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### **Operational Limitations:**

The permittee shall limit the throughput of the distillate fuel oil loading rack to 750,000,000 gallons of distillate fuel oil and petroleum liquids which have the same or lower emissions of VOC and HAP than distillate fuel oil in any consecutive 12-month period. The maximum vapor pressure of the petroleum liquids shall be less than or equal to 0.01 psia.

#### **Monitoring/Recordkeeping:**

1. The permittee shall retain a log for the loading rack documenting the amount, type, and vapor pressure of the petroleum liquid throughput. This log shall document the throughput of the loading rack each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
2. The permittee shall retain potential to emit calculations for each petroleum liquid throughput.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

#### **Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of either of the loading rack throughput limitations.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

## LR4 – Jet Kerosene Loading Rack

### PERMIT CONDITION LR4 - 001

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### Operational Limitations:

The permittee shall limit the throughput of the jet kerosene loading rack to 200,000,000 gallons of jet kerosene and petroleum liquids which have the same or lower emissions of VOC and HAP than jet kerosene in any consecutive 12-month period. The maximum vapor pressure of the petroleum liquids shall be less than or equal to 0.0127 psia.

#### Monitoring/Recordkeeping:

1. The permittee shall retain a log for the loading rack documenting the amount, type, and vapor pressure of the petroleum liquid throughput. This log shall document the throughput of the loading rack each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
2. The permittee shall retain potential to emit calculations for each petroleum liquid throughput.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

#### Reporting:

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of either of the loading rack throughput limitations.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

## Tank 1 – PURADD AP-205-20 Fuel Additive

22,800 Gallon Vertical Fixed Roof Tank, Constructed in 1983

### PERMIT CONDITION 1 - 001

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

#### Operational Limitations:

1. The permittee shall only store PURADD AP-205-20 fuel additive or other fuel additives which have the same or lower emissions of VOC and HAP than the additives listed above within Tank 1.
2. The permittee shall limit the throughput of Tank 1 to 500,000 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.

#### Monitoring/Recordkeeping:

1. The permittee shall retain a log for Tank 1 documenting the contents of the tank and the maximum true vapor pressure of the contents. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 1 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.

3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**Tank 3 – PURADD AP-205-20 Fuel Additive**  
22,800 Gallon Vertical Fixed Roof Tank, Constructed in 1985

**PERMIT CONDITION 3 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

**Operational Limitations:**

1. The permittee shall only store PURADD AP-205-20 fuel additive or other fuel additives which have the same or lower emissions of VOC and HAP than the additives listed above within Tank 3.
2. The permittee shall limit the throughput of Tank 3 to 500,000 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 3 documenting the contents of the tank and the maximum true vapor pressure of the contents. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 3 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**Tank 4 – PURADD AP-205-20 Fuel Additive**  
22,800 Gallon Vertical Fixed Roof Tank, Constructed in 1985

**PERMIT CONDITION 4 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

**Operational Limitations:**

1. The permittee shall only store PURADD AP-205-20 fuel additive or other fuel additives which have the same or lower emissions of VOC and HAP than the additives listed above within Tank 4.
2. The permittee shall limit the throughput of Tank 4 to 500,000 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 4 documenting the contents of the tank and the maximum true vapor pressure of the contents. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 4 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**Tank 299 – PURADD AP-205-20 Fuel Additive**  
22,800 Gallon Vertical Fixed Roof Tank, Constructed in 1983

**PERMIT CONDITION 299 - 001**

10 CSR 10-6.020(2)(I)24 and 10 CSR 10-6.065(5)(C)2 Voluntary Limitation(s)

**Operational Limitations:**

1. The permittee shall only store PURADD AP-205-20 fuel additive or other fuel additives which have the same or lower emissions of VOC and HAP than the additives listed above within Tank 299.
2. The permittee shall limit the throughput of Tank 299 to 500,000 gallons in any consecutive 12-month period. Tank throughput includes tank to tank transfers, re-origination to the pipeline, and product distributed via loading rack.

**Monitoring/Recordkeeping:**

1. The permittee shall retain a log for Tank 299 documenting the contents of the tank and the maximum true vapor pressure of the contents. The permittee shall retain potential to emit calculations obtained from EPA's TANKS program for each liquid stored within the tank as documented by the log.
2. The permittee shall retain a log for Tank 299 documenting the throughput of the tank. This log shall document the throughput of the tank each month and shall calculate the 12-month rolling total throughput for the most recent 12-month period.
3. The permittee shall retain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.

4. Records may be retained electronically or in paper form.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the tank throughput limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**IC1 – Emergency Fire Pump Engine**

173 HP Diesel Engine, Model Year 2007

**PERMIT CONDITION IC1 - 001**

10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

**Emission Limitations:**

The permittee shall not cause or permit the emission into the atmosphere of gases containing more than 500 ppmv of SO<sub>2</sub> or more than 35 mg/m<sup>3</sup> of sulfuric acid or sulfur trioxide or any combination of these gases averaged on any consecutive three-hour time period. [10 CSR 10-6.260(3)(A)2]

**Monitoring/Recordkeeping:**

1. The permittee shall monitor the sulfur content of each delivery of fuel documenting that the sulfur content never exceeds 0.05 percent. [10 CSR 10-6.260(3)(A)4]
2. These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3. Records may be retained in either written or electronic form.
4. All records shall be retained for five years.

**Reporting:**

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any of the terms imposed by this regulation, or any malfunction which could possibly cause an exceedance of this regulation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

**PERMIT CONDITION IC1 - 002**

10 CSR 10-6.070 New Source Performance Regulations

40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

**Emission Limitations:**

1. The permittee shall comply with the following emission standards: [§60.4205(c)]
  - a) 7.8 g/HP-hr NMHC + NO<sub>x</sub>
  - b) 3.7 g/HP-hr CO
  - c) 0.60 g/HP-hr PM

**Operational Limitations:**

1. The permittee shall operate and maintain the stationary CI ICE to achieve the emission standards as required in §60.4205 over the entire life of the engine. [§60.4206]
2. The permittee shall purchase diesel fuel that meets the requirements of §80.510(b) for nonroad diesel fuel. [§60.4207(b)]
3. The permittee shall do all of the following, except as permitted under paragraph §60.4211(g): [§60.4211(a)]
  - a) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; [§60.4211(a)(1)]
  - b) Change only those emission-related settings that are permitted by the manufacturer; and [§60.4211(a)(2)]
  - c) Meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as applicable. [§60.4211(a)(3)]
4. If the permittee does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or if the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance as follows: [§60.4211(g)]
  - a) The permittee shall follow a maintenance plan and retain records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within one year of startup, or within one year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within one year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer. [§60.4211(g)(2)]
5. Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. The permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee retains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited. [§60.4211(f)]
6. If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the permittee shall retain records of any corrective action taken after the backpressure monitor has notified the permittee that the high backpressure limit of the engine is approached. [§60.4214(c)]

**Compliance Method:**

The permittee shall comply by purchasing an engine certified to the emission standards in §60.4205(c), as applicable, for the same model year and NFPA nameplate engine power. The engine shall be installed and configured according to the manufacturer's emission-related specifications, except as permitted in §60.4211(g). [§60.4211(c)]

**General Provisions:**

The permittee shall refer to Table 8 to 40 CFR Part 60, Subpart IIII for 40 CFR Part 60, Subpart A applicability.

**Reporting:**

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

## IV. Core Permit Requirements

The installation shall comply with each of the following regulations or codes. Consult the appropriate sections in the CFR, the CSR, and local ordinances for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued. The following is only an excerpt from the regulation or code, and is provided for summary purposes only.

### 10 CSR 10-6.045 Open Burning Requirements

1. General Provisions. The open burning of tires, petroleum-based products, asbestos containing materials, and trade waste is prohibited, except as allowed below. Nothing in this rule may be construed as to allow open burning which causes or constitutes a public health hazard, nuisance, a hazard to vehicular or air traffic, nor which violates any other rule or statute.
2. Refer to the regulation for a complete list of allowances. The following is a listing of exceptions to the allowances:
  - a) Burning of household or domestic refuse. Burning of household or domestic refuse is limited to open burning on a residential premise having not more than four dwelling units, provided that the refuse originates on the same premises, with the following exception:
    - i) Kansas City metropolitan area. The open burning of household refuse must take place in an area zoned for agricultural purposes and outside that portion of the metropolitan area surrounded by the corporate limits of Kansas City and every contiguous municipality;
  - b) Yard waste, with the following exception:
    - i) Kansas City metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation shall require an open burning permit;
3. Certain types of materials may be open burned provided an open burning permit is obtained from the director. The permit will specify the conditions and provisions of all open burning. The permit may be revoked if the permittee fails to comply with the conditions or any provisions of the permit.
4. The permittee may be issued an annually renewable open burning permit for open burning provided that an air curtain destructor or incinerator is utilized and only tree trunks, tree limbs, vegetation or untreated wood waste are burned. Open burning shall occur at least 200 yards from the nearest occupied structure unless the owner or operator of the occupied structure provides a written waiver of this requirement. Any waiver shall accompany the open burning permit application. The permit may be revoked if the permittee fails to comply with the provisions or any condition of the open burning permit.
  - a) In a nonattainment area, as defined in 10 CSR 10-6.020(2)(N)5., the director shall not issue an opening burning permit unless the permittee can demonstrate to the satisfaction of the director that the emissions from the open burning of the specified material would be less than the emissions from any other waste management or disposal method.
5. Reporting and Recordkeeping. 40 CFR Part 60, Subpart CCCC establishes certain requirements for air curtain destructors or incinerators that burn wood trade waste. These requirements are established in §60.2245 - §60.2260. The provisions of 40 CFR Part 60, Subpart CCCC promulgated as of September 22, 2005 shall apply and are hereby incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401. To comply with §60.2245 - §60.2260, sources must conduct an annual Method 9 test. A copy of the annual Method 9 test results shall be submitted to the director.
6. Test Methods. The visible emissions from air pollution sources shall be evaluated as specified by 40 CFR Part 60, Appendix A–Test Methods, Method 9–Visual Determination of the Opacity of Emissions from Stationary Sources. The provisions of 40 CFR Part 60, Appendix A, Method 9 promulgated as of December 23, 1971 is incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401.

### **10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions**

1. In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days, in writing, the following information:
  - a) Name and location of installation;
  - b) Name and telephone number of person responsible for the installation;
  - c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
  - d) Identity of the equipment causing the excess emissions;
  - e) Time and duration of the period of excess emissions;
  - f) Cause of the excess emissions;
  - g) Air pollutants involved;
  - h) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
  - i) Measures taken to mitigate the extent and duration of the excess emissions; and
  - j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
2. The permittee shall submit the paragraph 1 information list to the director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
3. Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under §643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph 1 list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under §643.080 or §643.151, RSMo.
4. Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under §§643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
5. Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

### **10 CSR 10-6.060 Construction Permits Required**

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

### **10 CSR 10-6.065 Operating Permits**

The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than 18 months. [10 CSR 10-6.065(6)(B)1.A(V)] The permittee shall retain the most current operating permit issued to this installation on-

site. [10 CSR 10-6.065(6)(C)1.C(II)] The permittee shall immediately make such permit available to any Missouri Department of Natural Resources' personnel upon request. [10 CSR 10-6.065(6)(C)3.B]

**10 CSR 10-6.080 Emission Standards for Hazardous Air Pollutants and 40 CFR Part 61, Subpart M - National Emission Standard for Asbestos**

1. The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M - National Emission Standard for Asbestos.
2. The permittee shall conduct monitoring to demonstrate compliance with registration, certification, notification, and Abatement Procedures and Practices standards as specified in 40 CFR Part 61, Subpart M.

**10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information**

1. The permittee shall submit full emissions report either electronically via MoEIS, which requires Form 1.0 signed by an authorized company representative, or on Emission Inventory Questionnaire (EIQ) paper forms on the frequency specified in this rule and in accordance with the requirements outlined in this rule. Alternate methods of reporting the emissions, such as spreadsheet file, can be submitted for approval by the director.
2. The permittee may be required by the director to file additional reports.
3. Public Availability of Emission Data and Process Information. Any information obtained pursuant to the rule(s) of the Missouri Air Conservation Commission that would not be entitled to confidential treatment under 10 CSR 10-6.210 shall be made available to any member of the public upon request.
4. The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. §643.079.
5. The fees shall be payable to the Department of Natural Resources and shall be accompanied by the emissions report.
6. The permittee shall complete required reports on state supplied EIQ forms or electronically via MoEIS. Alternate methods of reporting the emissions can be submitted for approval by the director. The reports shall be submitted to the director by April 1 after the end of each reporting year. If the full emissions report is filed electronically via MoEIS, this due date is extended to May 1.
7. The reporting period shall end on December 31 of each calendar year. Each report shall contain the required information for each emission unit for the 12-month period immediately preceding the end of the reporting period.
8. The permittee shall collect, record, and maintain the information necessary to complete the required forms during each year of operation of the installation.

**10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential**

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

**10 CSR 10-6.150 Circumvention**

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

**10 CSR 10-6.180 Measurement of Emissions of Air Contaminants**

1. The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the

source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.

2. The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and 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.
3. The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

#### **10 CSR 10-6.165 Restriction of Emission of Odors**

**This requirement is not federally enforceable.**

The permittee shall not cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour. This odor evaluation shall be taken at a location outside of the installation's property boundary.

#### **10 CSR 10-6.250 Asbestos Abatement Projects – Certification, Accreditation, and Business Exemption Requirements**

The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the department to monitor training provided to employees. Each individual who works in asbestos abatement projects must first obtain certification for the appropriate occupation from the department. Each person who offers training for asbestos abatement occupations must first obtain accreditation from the department. Certain business entities that meet the requirements for state-approved exemption status must allow the department to monitor training classes provided to employees who perform asbestos abatement.

#### **Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone**

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
  - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
  - b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
  - c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
  - d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in 40 CFR Part 82, Subpart B:
  - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.

- b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
  - c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
  - d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
  - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
  - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A - Production and Consumption Controls.
  4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B - Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in 40 CFR Part 82, Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.
  5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program promulgated pursuant to 40 CFR Part 82, Subpart G - Significant New Alternatives Policy Program. *Federal Only - 40 CFR Part 82*

#### **10 CSR 10-6.280 Compliance Monitoring Usage**

1. The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
  - a) Monitoring methods outlined in 40 CFR Part 64;
  - b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
  - c) Any other monitoring methods approved by the director.
2. Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
  - a) Monitoring methods outlined in 40 CFR Part 64;
  - b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
  - c) Compliance test methods specified in the rule cited as the authority for the emission limitations.
3. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
  - a) Applicable monitoring or testing methods, cited in:
    - i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
    - ii) 10 CSR 10-6.040, "Reference Methods";
    - iii) 10 CSR 10-6.070, "New Source Performance Standards";
    - iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or
  - b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.

## V. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the CFR and CSR for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued,

### **10 CSR 10-6.065(6)(C)1.B Permit Duration**

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

### **10 CSR 10-6.065(6)(C)1.C General Recordkeeping and Reporting Requirements**

#### 1. Record Keeping

- a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
- b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.

#### 2. Reporting

- a) All reports shall be submitted to the Air Pollution Control Program's Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
- b) The permittee shall submit a report of all required monitoring by:
  - i) October 1st for monitoring which covers the January through June time period, and
  - ii) April 1st for monitoring which covers the July through December time period.
  - iii) Exception. Monitoring requirements which require reporting more frequently than semi-annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
- c) Each report shall identify any deviations from emission limitations, monitoring, record keeping, reporting, or any other requirements of the permit, this includes deviations or 40 CFR Part 64 exceedances.
- d) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
  - i) Notice of any deviation resulting from an emergency (or upset) condition as defined in 10 CSR 10-6.065(6)(C)7.A shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if the permittee wishes to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and the permittee can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.
  - ii) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.

- iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's semiannual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.
- e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- f) The permittee may request confidential treatment of information submitted in any report of deviation.

#### **10 CSR 10-6.065(6)(C)1.D Risk Management Plan Under §112(r)**

1. The permittee shall comply with the requirements of 40 CFR Part 68 - Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by §68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:
  - a) June 21, 1999;
  - b) Three years after the date on which a regulated substance is first listed under §68.130; or
  - c) The date on which a regulated substance is first present above a threshold quantity in a process.

#### **10 CSR 10-6.065(6)(C)1.F Severability Clause**

In the event of a successful challenge to any part of this permit, all uncontested permit conditions shall continue to be in force. All terms and conditions of this permit remain in effect pending any administrative or judicial challenge to any portion of the permit. If any provision of this permit is invalidated, the permittee shall comply with all other provisions of the permit.

#### **10 CSR 10-6.065(6)(C)1.G General Requirements**

1. The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
2. The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit
3. The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
4. This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
5. The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted pursuant to 10 CSR 10-6.065(6)(C)1.

#### **10 CSR 10-6.065(6)(C)1.H Incentive Programs Not Requiring Permit Revisions**

No permit revision will be required for any installation changes made under any approved economic incentive, marketable permit, emissions trading, or other similar programs or processes provided for in this permit.

### **10 CSR 10-6.065(6)(C)1.I Reasonably Anticipated Operating Scenarios**

1. The permittee may change the contents of Fuel Additive Storage Tanks 5, 12, and 13 at any time, provided the following conditions are met:
  - a) Potential VOC emissions shall not exceed 2.75 lb/hr
  - b) Potential HAP emissions shall not exceed 0.5 lb/hr
  - c) Potential emissions of individual HAP shall not exceed the Screening Model Action Level available at: <http://www.dnr.mo.gov/env/apcp/docs/cp-hapsmaltbl6.pdf>
2. Potential emissions exceeding any of the above listed values require a construction permit under 10 CSR 10-6.060.

### **10 CSR 10-6.065(6)(C)3 Compliance Requirements**

1. Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
2. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
  - a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
  - b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
  - d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
3. All progress reports required under an applicable schedule of compliance shall be submitted semiannually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
  - a) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
  - b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
4. The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, as well as the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and 40 CFR Part 64 exceedances and excursions must be included in the compliance certifications. The compliance certification shall include the following:
  - a) The identification of each term or condition of the permit that is the basis of the certification;
  - b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
  - c) Whether compliance was continuous or intermittent;
  - d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and

- e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

#### **10 CSR 10-6.065(6)(C)6 Permit Shield**

1. Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements as of the date that this permit is issued, provided that:
  - a) The applicable requirements are included and specifically identified in this permit, or
  - b) The permitting authority, in acting on the permit revision or permit application, determines in writing that other requirements, as specifically identified in the permit, are not applicable to the installation, and this permit expressly includes that determination or a concise summary of it.
2. Be aware that there are exceptions to this permit protection. The permit shield does not affect the following:
  - a) The provisions of §303 of the Act or §643.090, RSMo concerning emergency orders,
  - b) Liability for any violation of an applicable requirement which occurred prior to, or was existing at, the time of permit issuance,
  - c) The applicable requirements of the acid rain program,
  - d) The authority of the Environmental Protection Agency and the Air Pollution Control Program of the Missouri Department of Natural Resources to obtain information, or
  - e) Any other permit or extra-permit provisions, terms or conditions expressly excluded from the permit shield provisions.

#### **10 CSR 10-6.065(6)(C)7 Emergency Provisions**

1. An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7.A shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
  - a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
  - b) That the installation was being operated properly,
  - c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
  - d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
2. Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

#### **10 CSR 10-6.065(6)(C)8 Operational Flexibility**

1. An installation that has been issued a Part 70 operating permit is not required to apply for or obtain a permit revision in order to make any of the changes to the permitted installation described below if the changes are not Title I modifications, the changes do not cause emissions to exceed emissions allowable under the permit, and the changes do not result in the emission of any air contaminant not previously emitted. The permittee shall notify the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, at least seven days in advance of these changes, except as allowed for emergency or upset conditions. Emissions allowable under the permit means a federally enforceable permit term or condition determined at issuance to be required by an applicable requirement that establishes an emissions limit (including a work practice

standard) or a federally enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

2. §502(b)(10) changes. Changes that, under §502(b)(10) of the Act, contravene an express permit term may be made without a permit revision, except for changes that would violate applicable requirements of the Act or contravene federally enforceable monitoring (including test methods), record keeping, reporting or compliance requirements of the permit.
  - a) Before making a change under this provision, The permittee shall provide advance written notice to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, describing the changes to be made, the date on which the change will occur, and any changes in emission and any permit terms and conditions that are affected. The permittee shall maintain a copy of the notice with the permit, and the Air Pollution Control Program shall place a copy with the permit in the public file. Written notice shall be provided to the EPA and the Air Pollution Control Program as above at least seven days before the change is to be made. If less than seven days' notice is provided because of a need to respond more quickly to these unanticipated conditions, the permittee shall provide notice to the EPA and the Air Pollution Control Program as soon as possible after learning of the need to make the change.
  - b) The permit shield shall not apply to these changes.

#### **10 CSR 10-6.065(6)(C)9 Off-Permit Changes**

1. Except as noted below, the permittee may make any change in its permitted operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Insignificant activities listed in the application, but not otherwise addressed in or prohibited by this permit, shall not be considered to be constrained by this permit for purposes of the off-permit provisions of this section. Off-permit changes shall be subject to the following requirements and restrictions:
  - a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is subject to any requirements under Title IV of the Act or is a Title I modification;
  - b) The permittee must provide written notice of the change to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, no later than the next annual emissions report. This notice shall not be required for changes that are insignificant activities under 10 CSR 10-6.065(6)(B)3. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change.
  - c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes; and
  - d) The permit shield shall not apply to these changes.

#### **10 CSR 10-6.020(2)(R)12 Responsible Official**

The application utilized in the preparation of this permit was signed by Mr. Todd W. Smith, Operations Manager. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the permittee shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the permittee to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be

binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

**10 CSR 10-6.065(6)(E)6 Reopening-Permit for Cause**

1. This permit may be reopened for cause if:
  - a) The Missouri Department of Natural Resources receives notice from EPA that a petition for disapproval of a permit pursuant to §70.8(d) has been granted, provided that the reopening may be stayed pending judicial review of that determination,
  - b) The Missouri Department of Natural Resources or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
  - c) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
    - i) The permit has a remaining term of less than three years;
    - ii) The effective date of the requirement is later than the date on which the permit is due to expire; or
    - iii) The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
  - d) The installation is an affected source under the acid rain program and additional requirements (including excess emissions requirements), become applicable to that source, provided that, upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit; or
  - e) The Missouri Department of Natural Resources or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

**10 CSR 10-6.065(6)(E)1.C Statement of Basis**

This permit is accompanied by a statement setting forth the legal and factual basis for the permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

## STATEMENT OF BASIS

### Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

1. Part 70 Operating Permit Application, received August 30, 2011
2. 2006, 2007, 2008, 2009, and 2010 Missouri Emissions Inventory Questionnaires
3. U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition
4. U.S. EPA's Factor Information Retrieval (FIRE) Data System 6.25
5. U.S. EPA's TANKS 4.0.9d
6. Construction Permits 1076-011, 0177-006, 1178-EPA, 1178-EPA-A, and 0179-EPA
7. Construction Permit 0184-047 to 0184-050, Issued November 28, 1983
8. Construction Permit 0588-001A, Issued April 8, 1988
9. Construction Permit 0189-007A, Issued November 18, 1988
10. Construction Permit 0189-006A, Issued November 21, 1988
11. Construction Permit 0190-003, Issued January 16, 1990
12. Construction Permit 0994-018, Issued July 1, 1994
13. Construction Permit 0894-031, Issued August 14, 1994
14. Construction Permit 1294-005, Issued November 28, 1994
15. No Construction Permit Required Determination, Issued December 10, 1997
16. Applicability Determination, Withdrawn September 15, 1997
17. Construction Permit Required Determination, Issued May 28, 1998
18. No Construction Permit Required Determination, Issued July 28, 1998
19. No Construction Permit Required Determination, Issued December 23, 1998
20. No Construction Permit Required Determination, Issued September 7, 2000
21. No Construction Permit Required Determination, Issued September 15, 2000
22. No Construction Permit Required Determination, Issued October 16, 2000
23. Construction Permit Required Determination, Issued July 17, 2001
24. No Construction Permit Required Determination, Issued June 12, 2002
25. Construction Permit Required Determination, Issued August 4, 2006
26. No Construction Permit Required Determination, Issued September 2, 2011

### Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program has determined the following requirements to not be applicable to this installation at this time for the reasons stated.

10 CSR 10-6.100 *Alternate Emission Limits* is not applicable to the installation and has not been applied within this permit. This installation is located in an ozone attainment area.

## Construction Permits

Construction Permits 1076-011, 0177-006, 1178-EPA, 1178-EPA-A, and 0179-EPA:

- ◆ These construction permits were for emission units at the facility's oil refinery. The oil refinery portion of the facility was shut down in 1982 as stated in Construction Permit 0189-007A; therefore, these construction permits are no longer applicable to the installation.

Construction Permit 0184-047 to 0184-050, Issued November 28, 1983:

- ◆ This general construction permit is for the installation of Tanks 338, 339, 340, and 351.
- ◆ Special Condition 1 required the decommissioning of four existing tanks within 30 days of the commission of the new tanks. This special condition has been completed.
- ◆ Special Condition 2 has been applied within this permit (see Permit Conditions Tank 338 – 002, Tank 339 – 002, Tank 340 – 002, and Tank 351 – 002).

Construction Permit 0588-001A, Issued April 8, 1988:

- ◆ This de minimis construction permit is for the installation of Tanks 25, E-1, E-2, E-3, E-4, and E-6. Tanks 25 and E-6 are no longer located at the installation. Tanks E-1, E-2, E-3, and E-4 are still located at the installation, but have since been relabeled Tanks 1, 3, 4, and 229.
- ◆ This construction permit does not contain any special conditions.

Construction Permit 0189-007A, Issued November 18, 1988:

- ◆ This de minimis construction permit is for the recommissioning of Tank 95 and the installation of a petroleum hydrocarbon recovery system. This equipment is no longer located at the installation; therefore, this construction permit is no longer applicable to the installation.

Construction Permit 0189-006A, Issued November 21, 1988:

- ◆ This de minimis construction permit is for the installation of a 1,000 gallon horizontal storage tank for jet fuel additive. This storage tank is no longer located at the installation; therefore, this construction permit is no longer applicable to the installation.

Construction Permit 0190-003, Issued January 16, 1990:

- ◆ This de minimis construction permit is for the installation of a liquid/solids bioreactor and a land treatment cell. These emission units were required for the closure of three river front hazardous waste facilities (a sludge pond, a sludge pit, and a wastewater treatment lagoon) associated with the shutdown refinery. The hazardous waste facilities have since been certified closed by the Department. The emission units are no longer located at the installation; therefore, this construction permit is no longer applicable to the installation.

Construction Permit 0994-018, Issued July 1, 1994:

- ◆ This de minimis construction permit is for the installation of a thermal desorption and recovery system for the processing of sludge. These emission units are no longer located at the installation; therefore, this construction permit is no longer applicable to the installation.

Construction Permit 0894-031, Issued August 14, 1994:

- ◆ This de minimis construction permit is for the installation of a portable trailer draining rack for gasoline filters. The portable trailer draining rack is no longer located at the installation; therefore, this construction permit is no longer applicable to the installation.

Construction Permit 1294-005, Issued November 28, 1994:

- ◆ This de minimis construction permit is for the installation of AS1 Air Stripper for Pre-Treatment of Groundwater, a shallow tray aeration system, to pre-treat ground water prior to discharge to the publicly owned treatment works. BP Products North America, Inc. retained ownership of AS1 Air Stripper. This construction permit is no longer applicable to 095-0002.

No Construction Permit Required Determination, Issued December 10, 1997:

- ◆ This no construction permit required determination is for the installation of an air stripper to process 100,000 gal/yr. Assuming 75 ppm BTEX and 100 ppm VOC, uncontrolled potential emissions were estimated to be 83.4 lb/yr VOC and 62.55 lb/yr BTEX. BP Products North America, Inc. retained ownership of this air stripper. This no construction permit required determination is no longer applicable to 095-0002.

Applicability Determination, Withdrawn September 15, 1997:

- ◆ This applicability determination was for the installation 6,000 gallon diesel fuel additive tank.
- ◆ The facility withdrew their request on September 15, 1997.

Construction Permit Required Determination, Issued May 28, 1998:

- ◆ This applicability determination was for the installation of an enhanced fluid recovery operation.

No Construction Permit Required Determination, Issued July 28, 1998:

- ◆ This no construction permit required determination is for the construction of an enhanced fluid recovery system. The system pumps free-phase hydrocarbon contaminated groundwater from seven different wells. Pumping will occur a maximum of 30 min/well/day. Venting vapors will pass through carbon canisters to reduce emissions. Actual emissions were estimated to be 182 lb/yr.

No Construction Permit Required Determination, Issued December 23, 1998:

- ◆ This no construction permit required determination is for the construction of an enhanced fluid recovery system at three on-site monitoring wells. The enhanced fluid recovery operations will occur approximately 25 times/well/yr. Venting vapors will pass through carbon canisters to reduce emissions. VOC emissions are expected to be less than 200 lb/yr.

No Construction Permit Required Determination, Issued September 7, 2000:

- ◆ This no construction permit required determination is for the construction of an enhanced fluid recovery system. The system extracts dissolved hydrocarbon and soil vapor from the subsurface of seven groundwater monitoring wells. Potential emissions were calculated to be 48 lb/yr VOC, 0.35 lb/yr Benzene, and 0.46 lb/yr Toluene.

No Construction Permit Required Determination, Issued September 15, 2000:

- ◆ This no construction permit required determination is for the construction of a total fluid extraction system. The system extracts dissolved hydrocarbon and soil vapor from the subsurface of nine

horizontal wells. The determinations made within this letter were superseded by the October 16, 2000 No Construction Permit Required Determination.

No Construction Permit Required Determination, Issued October 16, 2000:

- ◆ This no construction permit required determination is for the construction of a total fluid extraction system. The system extracts dissolved hydrocarbon and soil vapor from the subsurface of nine horizontal wells. Uncontrolled potential emissions are 24.84 lb/hr VOC and 1.05 lb/hr HAP. The permittee initially purposes to use a Thermal Oxidizer to reduce emissions to 0.25 lb/hr VOC and 0.01 lb/hr VOC. The initial concentration of VOC is estimated to be 2600 ppmv. When the concentration of VOC drops to 300 ppmv, the permittee purposes to replace the thermal oxidizer with an activated carbon system. When the concentration of VOC drops to 1 ppmv, the permittee purposes to stop all control strategies. BP Products North America, Inc. retained ownership of the total fluid extraction system. This no construction permit required determination is no longer applicable to 095-0002.

Construction Permit Required Determination, Issued July 17, 2001:

- ◆ This applicability determination was for the replacement of Tank 95 an existing 100,000 gallon aboveground storage tank. The replacement tank would be a new 39,561 gallon aboveground storage tank to contain the recovered free product from on-going groundwater remediation systems. The maximum throughput would be 80,000 gal/yr resulting in 879 lb/yr (1.32 lb/hr) of VOC emissions. This was not considered a “like-kind” replacement as the new tank would contain a different material than the existing tank.

No Construction Permit Required Determination, Issued June 12, 2002:

- ◆ This no construction permit required determination is for the installation of an air stripper to reduce contaminants in groundwater prior to discharge to the sewer. Uncontrolled potential emissions were calculated to be 0.44 lb/hr VOC and 0.10 lb/hr HAP. The permittee is purposing to use a carbon adsorption unit with a 95 percent control efficiency to reduce emissions. BP Products North America, Inc. retained ownership of this air stripper. This no construction permit required determination is no longer applicable to 095-0002.

Construction Permit Required Determination, Issued August 4, 2006:

- ◆ This applicability determination was for the modification of the existing loading racks to accommodate E-85 and ethanol in addition to gasoline, distillate oil, and jet kerosene. VOC emissions were estimated to be much larger than the 2.75 lb/hr VOC exemption level.

No Construction Permit Required Determination, Issued September 2, 2011:

- ◆ This no construction permit required determination is for the installation of a 4,000 gallon gasoline additive tank. The tank will hold PURADD AP-205-20 and will have a maximum of 12 turnovers per year. Uncontrolled potential emissions were calculated to be 4.56 lb/yr Ethylbenzene and 12.68 lb/yr Xylene.

### **New Source Performance Standards Applicability**

40 CFR Part 60, Subpart K – *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978* is not applicable to the installation and has not been applied within this permit. None of the installations storage tanks were constructed during the specified time period.

40 CFR Part 60, Subpart Ka – *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984* is applicable to the installation and has been applied within this permit (see Permit Conditions 338 – 004, 340 – 004, and 351 - 004). Fuel additive storage tanks 1 and 299 are not subject to this regulation as they fall below the 40,000 gallon threshold of §60.110a(a). Distillate Fuel Oil Tank 339 is not subject to this regulation as distillate fuel oil #2 does not meet the definition of “petroleum liquid” within §60.111a(b).

40 CFR Part 60, Subpart Kb – *Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984* is not applicable to the installation and has not been applied within this permit. Fuel additive storage tanks 3 and 4 are not subject to this regulation as they contain PURADD AP-205-20. Tanks 4.0.9d estimates the maximum true vapor pressure of PURADD AP-205-20 to be 0.5249 psia (3.6191 kPa) which is below the 15.0 kPa threshold of §60.110b(b) for storage tanks with a capacity greater than 75 m<sup>3</sup> (19,813 gallons), but less than 151 m<sup>3</sup> (40,000 gallons).

40 CFR Part 60, Subpart XX – *Standards of Performance for Bulk Gasoline Terminals* is not applicable to the installation and has not been applied within this permit. Construction Permit 0588-001A states that “the six bay truck loading rack was in existence as of April 11, 1980” which is prior to the applicable date of December 17, 1980 within §60.500(b).

40 CFR Part 60, Subpart IIII – *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines* is applicable to the installation and has been applied within this permit (see Permit Condition IC1 – 002).

### **Maximum Achievable Control Technology Applicability**

The installation is an area (minor) source of HAP.

40 CFR Part 63, Subpart R – *National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)* is not applicable to the installation and has not been applied within this permit. §63.420(a)(2) states this regulation applies to each bulk gasoline terminal except those bulk gasoline terminals which are not major sources.

40 CFR Part 63, Subpart EEEE – *National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)* is not applicable to the installation and has not been applied within this permit. Gasoline (including aviation gasoline), kerosene (distillate oil #1), diesel (distillate oil #2), asphalt, and heavier distillate oils and fuel oils are excluded from the definition of organic liquid in §63.2406.

40 CFR Part 63, Subpart ZZZZ – *National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines* is applicable to the installation, but has not been applied within this permit. IC1 qualifies as a new stationary RICE at an area source per §63.6590(a)(2)(iii), §63.6590(c)(1) states that new stationary RICE located at an area source shall meet the requirements of this subpart by meeting the requirements of 40 CFR Part 60, Subpart IIII (see Permit Condition IC – 002). §63.6590 also states that no further requirements apply for such engines under this subpart.

40 CFR Part 63, Subpart BBBBBB – *National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities* is applicable to the installation and has been applied within this permit (see Permit Conditions PW002, 115 – 003, 332 – 003, 333 – 003, 336 – 003, 337 – 003, 338 – 005, 340 – 005, 351 – 005, and LR1 - 003). This regulation is not applicable to Tank 117 due to the facility accepting a voluntary limitation to restrict the maximum true vapor pressure of the denatured ethanol to 2.4231 psia below the 27.6 kPa (4.0 psia) threshold of this regulation (see Permit Condition 117 – 001).

### **National Emission Standards for Hazardous Air Pollutants Applicability**

40 CFR Part 61, Subpart M – *National Emission Standards for Asbestos* is applicable to the installation and has been applied within this permit (see Section IV. Core Permit Requirements).

### **Compliance Assurance Monitoring Applicability**

40 CFR Part 64, *Compliance Assurance Monitoring*

The CAM rule applies to each pollutant specific emission unit that:

- Is subject to an emission limitation or standard, and
- Uses a control device to achieve compliance, and
- Has pre-control emissions that exceed or are equivalent to the major source threshold.

LR1 Gasoline Loading Rack does have uncontrolled potential VOC emissions of 1,312.27 ton/year. LR1 Gasoline Loading Rack employs a VRU which captures 99.98 percent of emissions. The emissions captured by the VRU are routed to a Vapor Combustion Unit (VCU) which destroys 98.25 percent of emissions. Combined the VRU and VCU result in a 98.23 percent emission reduction. 40 CFR Part 64 is not subject to the loading rack as §64.2(b)(1)(i) exempts emission units subject to an emission limitation proposed after November 15, 1990 pursuant to §111 or §112 of the Act and the loading rack is subject to 40 CFR Part 63, Subpart BBBBBB.

### **Greenhouse Gas Emissions**

On May 13, 2010, EPA issued the GHG Tailoring Rule which set the major source threshold for greenhouse gases (CO<sub>2</sub>e) to be 100,000 tpy within 40 CFR Part 70. As of July 1, 2011 all Title V operating permits are required to include GHG emissions. Potential emissions of (CO<sub>2</sub>e) for this installation are calculated to be 8,016.74 tpy, classifying the installation as a minor source of GHGs. There are no currently issued GHG regulations applicable to this installation. Missouri regulations do not require the installation to report CO<sub>2</sub>e emissions in their Missouri Emissions Inventory Questionnaire; therefore, the installation's CO<sub>2</sub>e emissions were not included within this permit.

### **Other Regulatory Determinations**

Tanks 7 and 95R have been removed from installation.

In the last operating permit issued to the Sugar Creek terminal (095-0002), the terminal was owned by BP Products North America, Inc. On June 1, 2011 the Sugar Creek terminal was purchased by Buckeye Tank Terminals, LLC. During the sale of the Sugar Creek terminal, BP Products North America, Inc. retained ownership of the groundwater remediation equipment, including AS1 Air Stripper for Pre-Treatment of Groundwater.

10 CSR 10-2.260 *Control of Petroleum Liquid Storage, Loading, and Transfer* is applicable to the installation and has been applied within this permit (see Permit Conditions 115 – 002, 332 – 002, 333 – 002, 336 – 002, 337 – 002, 338 – 003, 340 – 003, 351 – 003 and LR1 – 002). This regulation is not applicable to Tanks 117, 118, 330, 331, 334, 335, 339 as 10 CSR 10-2.260(3)(A)4.B exempts storage tanks which contain a petroleum liquid with a true vapor pressure less than 4.0 psia at 90°F.

10 CSR 10-2.330 *Control of Gasoline Reid Vapor Pressure* is applicable to the installation and has been applied within this permit (see Permit Condition PW001). Note: 10 CSR 10-2.330(4) and (5)(A) refer to Appendixes D and E of 40 CFR Part80 which do not exist. The Air Pollution Control Program will be reopening this regulation to replace those references; however, until then the permit includes ASTM D5191 which is referred to in §80.46(c) and ASTM D6378 which was recommended by the Missouri Department of Agriculture based upon their standard testing requirements.

10 CSR 10-6.260 *Restriction of Emission of Sulfur Compounds* is applicable to the installation and has been applied within this permit (see Permit Condition IC1 – 001).

The determinations made within this operating permit are based upon the following plantwide potential emissions:

Pollutant	Potential to Emit (tpy) <sup>1</sup>
CO	28.73
CO <sub>2</sub> e	8,019.01
NO <sub>x</sub>	11.15
PM	0.02
SO <sub>x</sub>	0.09
VOC	161.47
HAPs	13.71
Hexane (110-54-3)	5.87
Toluene (108-88-3)	2.89
Benzene (71-43-2)	1.46
2,2,4-Trimethylpentane (540-84-1)	1.35
Xylene (1330-20-7)	1.17
Methyl Tert-Butyl Ether (1634-04-4)	0.40
Ethylbenzene (100-41-4)	0.35
Styrene (100-42-5)	0.12
Cumene (98-82-8)	0.08
Naphthalene (91-20-3)	0.02

<sup>1</sup>Potential emissions are based upon 8,760 hours of uncontrolled annual operation unless otherwise noted:

- The emissions for Tanks 12, 13, 115, 117, 118, 330 – 340, and 351 were calculated by the permittee using TANKS4.0.9d based upon the annual tank throughput and worst-case VOC fuel input as stated within Permit Conditions 12 – 001, 13 – 001, 115 – 001, 117 – 001, 118 – 001, 330 – 001, 331 – 001, 332 – 001, 333 – 001, 334 – 001, 335 – 001, 336 – 001, 337 – 001, 338 – 001, 339 – 001, 340 – 001, and 351 – 001.
- Roof landing emissions were calculated by the permittee for Tanks 115, 117, 332, 333, 336, 337, 338, 340, and 351 with a maximum of three roof landings per year per tank.
- Tank degassing emissions were calculated by the permittee at a maximum of one tank degas/cleaning per year from Tanks 118, 330, 331, 334, 335, and 339 (one total plantwide, not one each) and two tank degases/cleanings per year from Tanks 115, 333, 336, 337 (two total plantwide, not two each).
- Potential emissions from FUG Plantwide Fugitive Emissions submitted by the permittee were based upon 1321 valves, 44 pumps, 6310 flanges, and 212 other.
- Potential emissions from LR1 Gasoline Loading Rack submitted by the permittee were based upon June 30 – July 1, 2010 stack testing results of 99.98 percent VOC captured by the VRU and 98.25 percent VOC combusted by the VCU.
- IC1 was only evaluated at 500 hours of annual operation due to its emergency status and EPA’s guidance document *Calculating Potential to Emit (PTE) for Emergency Generators* dated September 6, 1995.
- The facility also emits Phenol (108-95-2), Cresol (1319-77-3), Formaldehyde (50-00-0), Acetaldehyde (75-07-0), Polycyclic Organic Matter (TP15), Acrolein (107-02-8), and 1,3-Butadiene (106-99-0) each with potential emissions of less than 0.01 tons per year.

**Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis**

1. Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons:
  - a) The specific pollutant regulated by that rule is not emitted by the installation;
  - b) The installation is not in the source category regulated by that rule;
  - c) The installation is not in the county or specific area that is regulated under the authority of that rule;
  - d) The installation does not contain the type of emission unit which is regulated by that rule;
  - e) The rule is only for administrative purposes.

- f) Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the Air Pollution Control Program's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the Air Pollution Control Program a schedule for achieving compliance for that regulation(s).

Prepared by:

---

Alana L. Rugen, EIT  
Environmental Engineer II

Mr. Todd W. Smith  
Buckeye Tank Terminals, LLC - Sugar Creek  
P.O. Box 520169  
Sugar Creek, MO 64054

Re: Buckeye Tank Terminals, LLC - Sugar Creek, 095-0002  
Permit Number: **OP2012-042A**

Dear Mr. Smith:

Enclosed with this letter is your amended Part 70 operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit. Revisions to the permit include:

- ◆ Revised Reasonably Anticipated Operating Scenarios in Section V.
- ◆ New address for EPA Region 7 in Section V.
- ◆ 2011 EIQ emissions in Section I.

You may appeal this permit to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo §643.078.16 and §621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you have any questions or need additional information regarding this permit, please do not hesitate to contact Alana Rugen at the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102, or by telephone at (573) 751-4817. Thank you for your time and attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.  
Operating Permit Unit Chief

MJS:ark

Enclosures

c: Robert Cheever, EPA Region 7  
Kansas City Regional Office  
PAMS File: 2012-11-057