

**Iowa Department of Natural Resources
Title V Operating Permit**

**Name of Permitted Facility: Magellan Pipeline Company, L.P. -
Des Moines Terminal**

**Facility Location: 2503 S.E. 43rd Street
Des Moines, Iowa 50327**

Air Quality Operating Permit Number: 98-TV-019R2

Expiration Date: June 25, 2018

Permit Renewal Application Deadline: December 25, 2017

EIQ Number: 92-6788

Facility File Number: 77-01-114

Responsible Official

Name: Ms. Melanie Little

**Title: Vice President Operations
Magellan Pipeline Company, LP**

**Mailing Address: One Williams Center
Mail Drop 31
Tulsa, Oklahoma 74121**

Phone #: (918) 574-7767

Permit Contact Persons for the Facility

Name: Ms. Shahana Banoo

Title: Senior Air Specialist

**Mailing Address: Magellan Pipeline Co., LP
One Williams Center, MD 29
Tulsa, OK 74172**

Phone #: (918) 574-7767

Plant Contact

Name: Mr. Steve Steward

Title: Area Supervisor

**Mailing Address: Magellan Pipeline Co., LP
2503 SE 43rd Street
Des Moines, Iowa 50327**

Phone #: (515) 261-6604

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources



Lori Hanson, Supervisor of Operating Permits Section

6/26/13

Date

Table of Contents

I. Facility Description and Equipment List	5
II. Plant - Wide Conditions	11
III. Emission Point Specific Conditions	14
IV. General Conditions.....	58
G1. Duty to Comply	
G2. Permit Expiration	
G3. Certification Requirement for Title V Related Documents	
G4. Annual Compliance Certification	
G5. Semi-Annual Monitoring Report	
G6. Annual Fee	
G7. Inspection of Premises, Records, Equipment, Methods and Discharges	
G8. Duty to Provide Information	
G9. General Maintenance and Repair Duties	
G10. Recordkeeping Requirements for Compliance Monitoring	
G11. Evidence used in establishing that a violation has or is occurring.	
G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification	
G13. Hazardous Release	
G14. Excess Emissions and Excess Emissions Reporting Requirements	
G15. Permit Deviation Reporting Requirements	
G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations	
G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification	
G18. Duty to Modify a Title V Permit	
G19. Duty to Obtain Construction Permits	
G20. Asbestos	
G21. Open Burning	
G22. Acid Rain (Title IV) Emissions Allowances	
G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements	
G24. Permit Reopenings	
G25. Permit Shield	
G26. Severability	
G27. Property Rights	
G28. Transferability	
G29. Disclaimer	
G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification	
G31. Prevention of Air Pollution Emergency Episodes	
G32. Contacts List	

V. Appendix I..... 40 CFR 63.11080 - 63.11100, Subpart BBBBBB.....69
National Emission Standards for Hazardous Air Pollutants for Source Category:
Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

Abbreviations

acfm.....	actual cubic feet per minute
AERMOD.....	AMS/EPA Regulatory Model
AQD.....	Polk County Public Works- Air Quality Division
CAS.....	Chemical Abstract Service Registry
CE.....	Control Equipment
CEM.....	Continuous Emission Monitor
CFR.....	Code of Federal Regulation
°F.....	degrees Fahrenheit
DNR.....	Iowa Department of Natural Resources
EIQ.....	Emissions Inventory Questionnaire
EP.....	Emission Point
EU.....	Emission Unit
gr./dscf.....	grains per dry standard cubic foot
IAC.....	Iowa Administrative Code
MACT.....	Maximum Achievable Control Technology
µg/m ³	Micrograms per Cubic Meter
MM BTU/ Hr.....	Million British Thermal Units per Hour
MSDS.....	Material Safety Data Sheet(s)
MVAC.....	Motor Vehicle Air Conditioner
NAICS.....	North American Industry Classification System
NESHAP.....	National Emission Standards for Hazardous Air Pollutants
NSPS.....	New Source Performance Standard
ppmv.....	parts per million by volume
psia.....	pounds per square inch absolute
lb./hr.....	pounds per hour
lb./MMBtu.....	pounds per Million British thermal units
SCC.....	Source Classification Codes
scfm.....	standard cubic feet per minute
sdcfm.....	standard dry cubic feet per minute
SIC.....	Standard Industrial Classification
TPY.....	Tons Per Year
USEPA.....	United States Environmental Protection Agency
VCU.....	Vapor Combustion Unit

Pollutants

GHG.....	Green House Gases
PM.....	Particulate Matter
PM ₁₀	Particulate Matter ten microns or less in diameter
PM _{2.5}	Particulate Matter 2.5 microns or less in diameter
SO ₂	Sulfur dioxide
NO _x	Nitrogen Oxides
VOC(s).....	Volatile Organic Compound(s)
CO.....	Carbon Monoxide
HAP(s).....	Hazardous Air Pollutant(s)

I. Facility Description and Equipment List

Facility Name: **Magellan Pipeline Company, LLC - Des Moines Terminal**

Permit Number: 98-TV-019R2

Facility Description: Gasoline Terminal/ Pipe Line Breakout Station, SIC 4613

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County AQD Construction Permit #
1	1	Gasoline/ Distillate Loading Rack, Submerged Normal, with Zeeco Vapor Combustion Unit	1250 Modified #4
2	2	Tank 419- 252,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
3	3	Tank 420- 252,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
4	4	Tank 511- 504,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
5	5	Tank 616- 714,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
6	6	Tank 617- 714,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
7	7	Tank 618- 714,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
8	8	Tank 619- 714,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
9	9	Tank 620- 714,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
10	10	Tank 621- 714,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
11	11	Tank 622- 714,000 Gallon Capacity, Gasoline*, Domed External Floating Roof	2363 Modified #2
12	12	Tank 643- 714,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
13	13	Tank 648- 714,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County AQD Construction Permit #
14	14	Tank 651- 840,000 Gallon Capacity, Gasoline, Domed Exterior Floating Roof	2363 Modified #2
15	15	Tank 736- 1,260,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
16	16	Tank 737- 1,260,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
17	17	Tank 738- 1,260,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
18	18	Tank 739- 1,260,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
19	19	Tank 747- 1,554,000 Gallon Capacity, Gasoline*, Domed External Floating Roof	2363 Modified #2
20	20	Tank 748- 1,554,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
21	21	Tank 749- 1,554,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
22	22	Tank 770- 1,512,000 Gallon Capacity, Gasoline, Internal Floating Roof	2363 Modified #2
23	23	Tank 771- 1,512,000 Gallon Capacity, Gasoline*, Internal Floating Roof	2363 Modified #2
24	24	Tank 772- 1,512,000 Gallon Capacity, Gasoline, Internal Floating Roof	2363 Modified #2
25	25	Tank 773- 1,512,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
26	26	Tank 774- 1,512,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
27	27	Tank 775- 1,512,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
28	28	Tank 776- 1,512,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
29	29	Tank 777- 1,512,000 Gallon Capacity, Gasoline, Internal Floating Roof	2363 Modified #2
30	30	Tank 778- 1,512,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
31	31	Tank 779- 1,512,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
32	32	Tank 780- 1,512,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
33	33	Tank 803- 3,360,000 Gallon Capacity, Gasoline*, Domed External Floating Roof	2363 Modified #2
34	34	Tank 804- 3,360,000 Gallon Capacity, Gasoline, Domed External Floating Roof	2363 Modified #2
35	35	Tank 836- 3,234,000 Gallon Capacity, Gasoline, Internal Floating Roof	2363 Modified #2

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County AQD Construction Permit #
36	36	Tank 837- 3,234,000 Gallon Capacity, Gasoline, Internal Floating Roof	2363 Modified #2
37	37	Tank 838- 3,234,000 Gallon Capacity, Gasoline, Internal Floating Roof	2363 Modified #2
38	38	Tank 839- 3,402,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
39	39	Tank 840- 3,402,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
40	40	Tank 1307- 1,680,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
41	41	Tank 1308- 1,680,000 Gallon Capacity, Gasoline, Internal Floating Roof	2363 Modified #2
42	42	Tank 1309- 1,680,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
43	43	Tank 1310- 1,680,000 Gallon Capacity, Gasoline, Internal Floating Roof	2363 Modified #2
44	44	Tank 1311- 1,680,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
45	45	Tank 1507- 6,300,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
46	46	Tank 1508- 2,562,000 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
51	51	Transmix Fractionator ⁺ , 6.46 MM BTU/Hr	0627
53	53	Groundwater Soil Remediation System	0717 Modified #3
56	56	Railcar Loading Rack	1229 Modified
58a	58a	Tank 1004- 1,250,000 Gallon Capacity, Jet Kerosene, Spherical Shape, Vertical Fixed Roof	2363 Modified #2
59	59	MPE Groundwater Soil Remediation System	1486 Modified
62	62	Tank 1150- 4,200,000 Gallon Capacity, Gasoline (RVP 13), Internal Floating Roof	2363 Modified #2
63	63	Tank 1151- 4,200,000 Gallon Capacity, Gasoline (RVP 13), Internal Floating Roof	2363 Modified #2
64	64	Tank 1152- 4,200,000 Gallon Capacity, Gasoline (RVP 13), Internal Floating Roof	2363 Modified #2
65	65	Air Lift Trench Remediation System, with Catalytic Oxidizer	1233 Modified #2

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County AQD Construction Permit #
72	72	Transmix Distillation Unit (fractionator)	2001
73	73	Butane Unloading/Loading and Blending Operations including: (2) 55,000 gallon storage tanks (2) 65,000 gallon storage tanks and (2) butane-truck loading positions	2111 Modified #2
74	74	Ethanol Rail Loading Rack	2142
76	76	Tank Roof Landings	2363 Modified #2
77	77	Control Room Sub-Slab Remediation Vent	2190
78	78	Truck Rack Sub-Slab Remediation Vent	2191
79	79	Tank 3150- 19,603,500 Gallon Capacity, Jet Kerosene, Vertical Fixed Roof	2363 Modified #2
80	80	Tank 2700- 12,921,300 Gallon Capacity, Gasoline, Cone Roof & Internal Floating Roof	2363 Modified #2
BD1	BDT1	5,000 barrel (210,000 gallon) Biodiesel Storage Tank (Tank 153)	2349
BD2	BDOL	Biodiesel Offloading System	2349
PFT	PFT	(2) 21,000 gallon Portable Frac Tanks	2255 Modified

Notes-

1. Gasoline*: Polk County Construction Permit #2363 Modified #2 lists Tanks 622, 747, 771, and 803 as containing gasoline. However, the facility applied for the construction permit using Natural Gasoline (W-grade) emission factors for these tanks. Tanks 622, 747, 771, and 803 are therefore allowed to store natural gasoline or other fuel with a Reid Vapor Pressure and HAP content less than or equal to Natural Gasoline (W-grade).
2. Transmix Fractionator⁺ : Magellan states that the Transmix Fractionator (EU 51 / EP 51) is a Natural Gas Fired Heater.

Insignificant Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
48	Fugitive Emissions (Valves, Pumps, and Flanges)
49-1	Bulk Additive Storage Tank- 8,000 Gallon Capacity, Horizontal Fixed Roof
49-2	Bulk Additive Storage Tank- 3,000 Gallon Capacity, Horizontal Fixed Roof
49-3	Bulk Additive Storage Tank- 4,200 Gallon Capacity, Horizontal Fixed Roof
49-4	Bulk Additive Storage Tank- 4,200 Gallon Capacity, Horizontal Fixed Roof
49-5	Bulk Additive Storage Tank- 600 Gallon Capacity, Horizontal Fixed Roof
49-6	Bulk Additive Storage Tank- 2,600 Gallon Capacity, Vertical Fixed Roof
49-7	Bulk Additive Storage Tank- 1,000 Gallon Capacity, Vertical Fixed Roof
49-8	Bulk Additive Storage Tank- 1,100 Gallon Capacity, Horizontal Fixed Roof
49-9	Bulk Additive Storage Tank- 3,000 Gallon Capacity, Horizontal Fixed Roof
49-10	Bulk Additive Storage Tank- 2,500 Gallon Capacity, Vertical Fixed Roof
49-11	Bulk Additive Storage Tank- 2,000 Gallon Capacity, Vertical Fixed Roof
49-12	Bulk Additive Storage Tank- 300 Gallon Capacity, Vertical Fixed Roof
49-13	Bulk Additive Storage Tank- 100 Gallon Capacity, Horizontal Fixed Roof
49-14	Bulk Additive Storage Tank- 2,540 Gallon Capacity, Horizontal Fixed Roof
49-15	Bulk Additive Storage Tank- 2,000 Gallon Capacity, Horizontal Fixed Roof
49-16	Bulk Additive Storage Tank- 1,000 Gallon Capacity, Horizontal Fixed Roof
49-17	Bulk Additive Storage Tank- 3,000 Gallon Capacity, Vertical Fixed Roof
50	Oil and Water Separator System (Sumps and Water Tanks)
52	Natural Gas Fired Boiler (Station), 1.75 MM BTU/ Hr
54	LPG Flare (Emergency Use Only)
57	Unloading Skids
58	Pressure Vessels
66	Remediation Product Recovery Tank
67	Q Grade Filter Drainage
69	#2 Fuel Oil Storage Tank # 1140- 5.5 MM Gallon Capacity, Vertical Fixed Roof
75	Tank #902: Mainline Relief Tank, Spheroid Pressure

*: Contents of the gasoline additive tanks may be any volatile organic liquid, provided that the Reid Vapor Pressure (RVP) and the HAP content of the stored liquid are less than or equal to Jet Naphtha's RVP and HAP content. Additives stored may have higher HAP content than Jet Naphtha, provided that the calculated HAP PTE of the storage tank is less than insignificant activity thresholds, (2,500 lb./ yr for combined HAPs; 1,000 lb./ yr. for any individual HAP; and 100 lb./ yr. for any individual High-Risk pollutant)

Authority for Requirement: 567 IAC 22.103 (2)

Polk County Board of Health Rules and Regulations, Chapter V,
Article X, Div 2, Sec 5-40

II. Plant-Wide Conditions

Facility Name: Magellan Pipeline Company, L.P. - Des Moines Terminal
Permit Number: 98-TV-019R2

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

Permit Duration

The term of this permit is: Five (5) Years
Commencing on: June 26, 2013
Ending on: June 25, 2018

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

Emission Limits

Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:

Opacity (visible emissions): <20% opacity

Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Emissions shall not exceed the following for the facility:

<u>Pollutant</u>	<u>lbs/hr.</u>	<u>tons/year</u>	<u>Allowable Concentration</u>
VOC	---	420.0	---
HAP (single)	---	9.4	---
HAP (combined)	---	24.4	---

Authority for Requirement: Polk County AQD Construction Permit #: 0717 Modified #3; 2363 Modified #2; 1233 Modified #2; 1486 Modified

Sulfur Dioxide (SO₂): 500 parts per million by volume

Authority for Requirement: 567 IAC 23.3(3)"e"

Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27

Particulate Matter: If the Polk County Health Officer determines that a process complying with the emission rates specified in Table 1 of Section 5-15 of Polk County Board of Health Rules and Regulations Chapter V is causing or will cause air pollution, the Polk County Health Officer will notify the source of such determination. Upon notification, the source shall not emit particulates in amounts greater than 0.10 grain per standard cubic foot of exhaust gas.

Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Particulate Matter:

No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.

For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).

Authority for Requirement: 567 IAC 23.3(2)"a"

Combustion for indirect heating: Inside any metropolitan statistical area, the maximum allowable emission from each stack, irrespective of stack height, shall be 0.6 pounds of particulates per million Btu input.

Authority for Requirement: 567 IAC 23.3(2)"b"(2)

Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-15(b)

Fugitive Dust: It shall be unlawful for any person handling, loading, unloading, reloading, storing, transferring, transporting, placing, depositing, throwing, discarding, or scattering any ashes, fly ash, cinders, slag or dust collected from any combination process, any dust, dirt, chaff, wastepaper, trash, rubbish, waste or refuse matter of any kind, or any other substance or material whatever, which is likely to be scattered by the wind, or is susceptible to being wind-borne, to do so without taking reasonable precautions or measures to prevent particulate matter from becoming airborne so as to minimize atmospheric pollution.

Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-24

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567 IAC 23.3(2)"c"

NESHAP Requirements

40 CFR Part 63, Subpart BBBBBB

This facility is an existing affected source for 40 CFR 63 Subpart BBBBBB [National Emission Standards for Hazardous Air Pollutants for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities (Area Source)] of the National Emission Standards for Hazardous Air Pollutants (NESHAP). As an existing source, this facility must comply with the standards in this subpart no later than January 10, 2011. The emission sources to which this subpart applies are gasoline storage tanks, gasoline loading racks, vapor collection-equipped gasoline cargo tanks, and equipment components in vapor or liquid gasoline service. (Refer to Appendix I for Subpart BBBBBB detailed requirements.)

Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V,
Article VIII, Section 5-20 (bbbbbb)
567 IAC 23.1(4)"eb"
40 CFR 63 Subpart BBBBBB

III. Emission Point-Specific Conditions

Facility Name: **Magellan Pipeline Company, L.P. - Des Moines Terminal**
Permit Number: **98-TV-019R2**

Emission Point ID Number: 1

Associated Equipment

Associated Emission Unit ID Number: 1
Emissions Control Equipment ID Number: CE 1
Emissions Control Equipment Description: Zeeco Model TFC-D-10 Vapor Combustor Unit

Emission Unit vented through this Emission Point: 1
Emission Unit Description: Gasoline/Distillate Loading Rack, Submerged Normal
Raw Material/Fuel: Gasoline/ Distillate
Rated Capacity: 144,000 Gallons/ Hour

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: No visible emission except for periods not to exceed a total of 5 minutes during any 2 consecutive hours per § 60.18 (c)(1)

Authority for Requirement: Polk County Construction Permit #1250 Modified #4

Pollutant: PM

Emission Limit: 0.10 gr/dscf

Authority for Requirement: 567 IAC 23.3 (2) "a"
Polk County Chapter V, Article VI, Sec. 5-14 (b)

Pollutant: SO₂

Emission Limit: 500 parts per million by volume

Authority for Requirement: 567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V,
Article IX, Section 5-27

Pollutant: NO_x

Emission Limit: 19.776 TPY

Authority for Requirement: Polk County Construction Permit #1250 Modified #4

Pollutant: VOC
 Emission Limit: 138.482 TPY
 Concentration Limit: 35 milligrams of total organic compounds per liter of gasoline loaded
 Authority for Requirement: Polk County Construction Permit: #1250 Modified #4
 Polk County Chapter V, Article VI, Sec. 5-16 (n) (42)
 567 IAC 23.1 (2) "pp"
 40 CFR 60.502 (b)

Pollutant: CO
 Emission Limit: 49.439 TPY
 Authority for Requirement: Polk County Construction Permit #1250 Modified #4

Pollutant: HAPs
 Emission Limit: 7.524 TPY
 Authority for Requirement: Polk County Construction Permit #1250 Modified #4

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Table 2 to Subpart BBBB of Part 63—Applicability Criteria, Emission Limits, and Management Practices for Loading Racks

If you own or operate	Then you must
1. A gasoline loading rack(s) at a bulk gasoline terminal with a gasoline throughput of 250,000 gallons per day, or greater. Gallons per day is calculated by summing the current day's throughput, plus the throughput for the previous 364 days, and then dividing that sum by 365.	(a) Equip your loading rack(s) with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading; and (b) Reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into gasoline cargo tanks at the loading rack; and (c) Design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack from passing to another loading rack; 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) of this chapter. For the purposes of this section, the term "tank truck" as used in §60.502(e) through (j) of this chapter means "cargo tank" as defined in §63.11100.
2. A bulk gasoline terminal loading rack(s) with a gasoline throughput (total of all racks) of less than 250,000 gallons per day. Gallons per day is calculated by summing the current day's throughput, plus the throughput for the previous 364 days, and then dividing that sum by 365.	(a) Use submerged filling with a submerged fill pipe that is no more than 6 inches from the bottom of the cargo tank. (b) Make records available within 24 hours of a request by the Administrator to document your gasoline throughput.

Authority for Requirement: 40 CFR 63.11080 – 63.11100, Subpart BBBB
 567 IAC 23.1(4)"eb"
 Polk County Board of Health Rules and Regulations Chapter V,
 Article VIII, Section 5-20 (bbbbbb)

Process throughput:

- The main truck loading rack (EU 1/EP 1) shall be limited to a throughput of 750,000,000 gallons of gasoline, 388,186,800 gallons of distillates, and 45,900,000 gallons of natural gasoline per 12 month period, rolled monthly.

Control equipment parameters:

- The facility shall comply with the general control device requirements of § 60.18
- The vapor combustor shall be monitored using a thermocouple or other equivalent device to detect the presence of a flame per § 60.18 (f)(2)

Work practice standards:

- The facility shall comply with all applicable requirements of 40 CFR 63 Subpart BBBBBB-National Emission Standards for Hazardous Air Pollutants for Source Categories: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities; and Gasoline Dispensing Facilities by January 10, 2011.
- The facility shall comply with all applicable requirements of 40 CFR 60 Subpart XX-Standards of Performance for Bulk Gasoline Terminals.
- The facility shall comply with the VOC standards of § 60.502
- The facility shall comply with the test methods and procedures of § 60.503

Reporting & Record keeping:

- The facility shall comply with the reporting and recordkeeping requirements of § 60.505
- The owner or operator shall record monthly the throughput of each product loaded through the main truck loading rack (EU 1/EP1). Said log shall include the rolling 12 month total, rolled monthly for each product.
- The owner or operator shall calculate on a monthly basis the actual VOC and HAP emissions for EU 1/EP 1. Said log shall include the 12 month rolling total, rolled monthly of VOC and HAP emissions.
- The owner or operator shall maintain said throughput and emission records for a minimum period of 5 years. Said records shall be maintained on site and made available to representatives of this agency upon request.

Authority for Requirement: Polk County Construction Permit: #1250 Modified #4
 Polk County Chapter V, Article VI, Sec. 5-16 (n) (42)
 567 IAC 23.1 (2) "pp"
 40 CFR 60 Subpart XX
 Polk County Chapter V, Article VIII, Sec. 5-20 (bbbbbb)
 567 IAC 23.1 (4) "eb"
 40 CFR 63 Subpart BBBBBB

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 15 feet

Stack Opening: 132 inches, Circular shape

Exhaust Flow Rate: 2,140 scfm

Exhaust Temperature: 1,750°F

Discharge Style: Horizontal

Authority for Requirement: Polk County AQD Construction Permit # 1250 Modified #4

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

EU 1 is subject to the monitoring requirements of 40 CFR 63 Subpart BBBBBB.

The vapor combustion unit (CE 1) shall be monitored as required by 40 CFR 63.11092(b) (1) (iii) (B), which describes alternative monitoring requirements for thermal oxidizers other than flares.

1. 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. *40 CFR 63.11092(b) (1) (iii) (B) (1).*
2. The facility shall develop and submit a monitoring and inspection plan that describes the approach for meeting the monitoring requirements. *40 CFR 63.11092(b) (1) (iii) (B) (2).*

Authority for Requirement: 40 CFR 63 Subpart BBBBBB, Subpart A
567 IAC 23.1(4)"eb"
Polk County Board of Health Rules and Regulations Chapter V,
Article VIII, Section 5-20 (bbbbbb)
567 IAC 22.108(3)

Stack Testing:

Pollutant - VOC

1st Stack Test to be Completed by: June 25, 2014

2nd Stack Test to be Completed between: December 25, 2015 and December 25, 2016

Test Method – USEPA Method 25A or 25B

A. Prior to each test, test methodology shall be approved by Polk County Air Quality Division.

B. Each test shall consist of three (3) separate runs.

Authority for Requirement – 567 IAC 22.108 (3)

Polk County Board of Health Rules and Regulations:
Chapter V, Article II, Section 5-4 (1), (2)

The owner of this equipment or the owner's authorized agent shall provide written notice to Polk County Air Quality Division, not less than 30 days before a required stack test. Results of the test shall be submitted in writing to Polk County Air Quality Division in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 2 thru 46; 58a; 62 thru 64; 76; 79; & 80

EU/EP #	Tank #	Emission Unit Description	Tank Contents / Raw Material	Throughput Limits Per 12 Month Rolling Totals	Applicable 40 CFR 60 Subparts	Date of Construction
2	419	252, 000 gallon, Domed External Floating Roof	Gasoline	26,208,000 gallon/12 mo	N/A	1933
3	420	252, 000 gallon, Domed External Floating Roof	Gasoline	26,208,000 gallon/12 mo	N/A	1933
4	511	504,000 gallon, Domed External Floating Roof	Gasoline	52,416,000 gallon/12 mo	N/A	1937
5	616	714,000 gallon, Domed External Floating Roof	Gasoline	74,256,000 gallon/12 mo	N/A	1931
6	617	714,000 gallon, Domed External Floating Roof	Gasoline	74,256,000 gallon/12 mo	N/A	1931
7	618	714,000 gallon, Domed External Floating Roof	Gasoline	74,256,000 gallon/12 mo	N/A	1931
8	619	714,000 gallon, Domed External Floating Roof	Gasoline	74,256,000 gallon/12 mo	N/A	1931
9	620	714,000 gallon, Domed External Floating Roof	Gasoline	74,256,000 gallon/12 mo	N/A	1931
10	621	714,000 gallon, Domed External Floating Roof	Gasoline	74,256,000 gallon/12 mo	N/A	1931
11	622	714,000 gallon, Domed External Floating Roof	Gasoline*	74,256,000 gallon/12 mo	N/A	1931
12	643	714,000 gallon, Domed External Floating Roof	Gasoline	74,256,000 gallon/12 mo	N/A	1931
13	648	714,000 gallon, Domed External Floating Roof	Gasoline	74,256,000 gallon/12 mo	N/A	1931
14	651	840,000 gallon, Domed External Floating Roof	Gasoline	87,360,000 gallon/12 mo	N/A	1937
15	736	1,260,000 gallon, Domed External Floating Roof	Gasoline	131,040,000 gallon/12 mo	N/A	1932
16	737	1,260,000 gallon, Domed External Floating Roof	Gasoline	131,040,000 gallon/12 mo	N/A	1932
17	738	1,260,000 gallon, Domed External Floating Roof	Gasoline	131,040,000 gallon/12 mo	N/A	1932
18	739	1,260,000 gallon Domed External Floating Roof	Gasoline	131,040,000 gallon/12 mo	N/A	1932
19	747	1,554,000 gallon, Domed External Floating Roof	Gasoline*	161,616,000 gallon/12 mo	N/A	1937
20	748	1,554,000 gallon, Domed External Floating Roof	Gasoline	161,616,000 gallon/12 mo	N/A	1937
21	749	1,554,000 gallon, Domed External Floating Roof	Gasoline	161,616,000 gallon/12 mo	N/A	1937
22	770	1,512,000 gallon, Internal Floating Roof	Gasoline	157,248,000 gallon/12 mo	N/A	1947
23	771	1,512,000 gallon, Internal Floating Roof	Gasoline*	157,248,000 gallon/12 mo	N/A	1947
24	772	1,512,000 gallon, Internal Floating Roof	Gasoline	157,248,000 gallon/12 mo	N/A	1947

25	773	1,512,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1947
26	774	1,512,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1947
27	775	1,512,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1947
28	776	1,512,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1947
29	777	1,512,000 gallon, Internal Floating Roof	Gasoline	157,248,000 gallon/12 mo	N/A	1947
30	778	1,512,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1947
31	779	1,512,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1947
32	780	1,512,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1947
33	803	3,360,000 gallon, Domed external floating roof	Gasoline*	349,440,000 gallon/12 mo	N/A	1931
34	804	3,360,000 gallon, Domed external floating roof	Gasoline	349,440,000 gallon/12 mo	N/A	1931
35	836	3,234,000 gallon, Internal Floating Roof	Gasoline	336,336,000 gallon/12 mo	N/A	1971
36	837	3,234,000 gallon, Internal Floating Roof	Gasoline	336,336,000 gallon/12 mo	N/A	1971
37	838	3,234,000 gallon, Internal Floating Roof	Gasoline	336,336,000 gallon/12 mo	N/A	1971
38	839	3,402,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1971
39	840	3,402,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1971
40	1307	1,680,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1949
41	1308	1,680,000 gallon, Internal Floating Roof	Gasoline	174,720,000 gallon/12 mo	N/A	1949
42	1309	1,680,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1949
43	1310	1,680,000 gallon, Internal Floating Roof	Gasoline	174,720,000 gallon/12 mo	N/A	1949
44	1311	1,680,000 gallon, Vertical Fixed Roof	Jet Kerosene	*2,332,572,000 gallon/12 mo combined	N/A	1949

45	1507	6,300,000 gallon, Vertical Fixed Roof	Jet Kerosene	655,200,000 gal/12 mo	K	04/1978
46	1508	2,562,000 gallon, Vertical Fixed Roof	Jet Kerosene	266,448,000 gal/12 mo	K	1975
58a	1004	1,250,000 gallon, Spherical Shape, Vertical Fixed Roof	Jet Kerosene	130,000,000 gal/12 mo	N/A	2012
62	1150	4,200,000 gallon, Internal Floating Roof	RVP 13 Gasoline	436,800,000 gal/12 mo	Kb	Modified 1999
63	1151	4,200,000 gallon, Internal Floating Roof	RVP 13 Gasoline	436,800,000 gal/12 mo	Kb	Modified 1999
64	1152	4,200,000 gallon, Internal Floating Roof	RVP 13 Gasoline	436,800,000 gal/12 mo	Kb	Modified 1999
79	3150	19,603,500 gallon, Vertical fixed roof	Jet Kerosene	2,038,764,000 gal/12 mo	N/A	2012
80	2700	12,921,300 gallon, Cone roof & internal floating roof	Gasoline	1,343,815,200 gal/12 mo	Kb	2012
76	N/A	Tank Roof Landings	N/A	N/A	N/A	N/A

Actual Tank contents may be the material listed above, or other volatile organic liquid, provided that the material has both:

- a) equal or less volatility, and
- b) equal or less amount of HAPs

Gasoline: Polk County Construction Permit #2363 Modified #2 lists Tanks 622, 747, 771, and 803 as containing gasoline. However, the facility applied for the construction permit using Natural Gasoline (W-grade) emission factors for these tanks. Tanks 622, 747, 771, and 803 are therefore allowed to store natural gasoline or other fuel with a Reid Vapor Pressure and HAP content less than or equal to Natural Gasoline (W-grade).*

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from each emission point shall not exceed the levels specified below.

Emissions shall not exceed the following for the facility:

<u>Pollutant</u>	<u>lbs/hr.</u>	<u>tons/year</u>	<u>Allowable Concentration</u>
VOC	---	420.0	---
HAP (single)	---	9.4	---
HAP (combined)	---	24.4	---

Authority for Requirement: Polk County AQD Construction Permit # 2363 Modified #2

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

- * The facility shall not exceed the throughput limits listed in the source description of this permit. Throughput limits are for a twelve month rolling period, rolled monthly.
- * Emission Units 25, 26, 27, 28, 30, 31, 32, 38, 39, 40, 42 and 44 shall be limited to a combined throughput total of 2,332,572,000 gallons per twelve month period, rolled monthly.
- * Emission Unit 58a (Tank 1004) shall be limited to a throughput total of 130,000,000 gallons per 12 month period, rolled monthly.

Work practice standards, Reporting & Record keeping:

* Releases of emissions of the following do not need to be reported as excess emissions if the emissions do not cause an exceedance of the permitted emission limit and are accounted for and included in the Title V Annual Emission Inventory:

- (A) less than 5 tons of VOC or
- (B) 2500 pounds of combined HAPs except for “high risk pollutants” or
- (C) 1000 pounds of any individual HAP except “high risk pollutants” or
- (D) 250 pounds of combination of “high risk pollutants” or
- (E) 100 pounds of any individual “high risk pollutants”

* Throughput records shall be kept on monthly basis for each individual tank. Records shall include the monthly total and 12 month rolling total. Records shall be kept on site for 5 years and be made available to representatives of this agency upon request. †

* The facility shall calculate and record monthly the total facility actual VOC and HAP emissions and the rolling twelve month of each. HAP records shall be per individual HAP and for all HAPs combined. These records shall be kept on site for 5 years and be made available to representatives of this agency upon request. †

†: *Refer to [Emission Point ID Number: 2 thru 46; 58a; 62 thru 64; 76; 79; & 80]*
Monitoring Requirements for additional Work practice standards, Reporting & Record keeping.

For Roof Landings:

- * The facility shall not exceed 17 roof landings in any 12 month period.
- * No single roof landing shall last more than 72 hours.
- * The facility may apply to Polk County AQD for an extension to the 72 hour landing event limit or for increase in the number of landing events provided that the emissions from the event will not cause an exceedance of the facility wide emission limit and the emissions are accounted for in the facility’s Title V Annual Emission Inventory Statement.
- * The facility shall record each roof landing event. Records shall include tank number, product stored prior to roof landing, product stored after roof landing, date roof landing commenced, and the date the tank was placed back into service. Said record shall be kept on site for 5 years and be made available to representatives of this agency upon request.

For EP 45 (Tank 1507) and EP 46 (Tank 1508):

- * The facility shall comply with all applicable requirements of 40 CFR 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.
- * The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. 40 CFR 60.7(b)
- * The permittee shall submit an excess emissions and monitoring systems performance report to the Department and Administrator in accordance with 40 CFR 60.7(c). The summary report form shall contain the information and format required in 40 CFR 60.7(d).
- * Notwithstanding the frequency of reporting requirements in the prior permit conditions, the permittee may reduce the frequency of reporting of excess emissions and monitoring system performance reports pursuant to 40 CFR 60.7(e).
- * At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40 CFR 60.11(d)
- * The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12
- * The permittee shall maintain a record of the liquid stored, throughput of the liquid, period of storage, and the true vapor pressure of the liquid stored on a continuous basis. Records of this information shall be kept on site and be made available upon request. Emissions shall be reported with the annual Emissions Inventory. The petroleum liquid stored shall have a true vapor pressure of less than 1.5 psia.

For EP 62 (Tank 1150), EP 63 (Tank 1151) and EP 80 (Tank 2700):

- * The facility shall comply with all applicable requirements of 40 CFR 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

Below is a summary of those requirements.

40 CFR § 60.112b Standard for volatile organic compounds (VOC).

(a)(1) A fixed roof in combination with an internal floating roof meeting the following specifications:

(i) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

(a)(1)(ii) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:

(a)(1)(ii)(B) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.

(iii) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.

(iv) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

(v) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

(vi) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

(vii) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.

(viii) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.

(ix) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

40 CFR § 60.113b Testing and procedures.

(a) After installing the control equipment required to meet §60.112(a)(1) (permanently affixed roof and internal floating roof), each owner or operator shall:

(1) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.

(2) For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in §60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

(3) For vessels equipped with a double-seal system as specified in §60.112b(a)(1)(ii)(B):

- (i) Visually inspect the vessel as specified in paragraph (a)(4) of this section at least every 5 years; or
- (ii) Visually inspect the vessel as specified in paragraph (a)(2) of this section.

(4) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in paragraphs (a)(2) and (a)(3)(ii) of this section and at intervals no greater than 5 years in the case of vessels specified in paragraph (a)(3)(i) of this section.

(5) Notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs (a)(1) and (a)(4) of this section to afford the Administrator the opportunity to have an observer present. If the inspection required by paragraph (a)(4) of this section is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the Administrator at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Administrator at least 7 days prior to the refilling.

40 CFR § 60.115b Reporting and recordkeeping requirements.

(a) After installing control equipment in accordance with §60.112b(a)(1) (fixed roof and internal floating roof), the owner or operator shall meet the following requirements.

- (1) Furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of §60.112b(a)(1) and §60.113b(a)(1). This report shall be an attachment to the notification required by §60.7(a)(3).
- (2) Keep a record of each inspection performed as required by §60.113b (a)(1), (a)(2), (a)(3), and (a)(4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).
- (4) After each inspection required by §60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in §60.113b(a)(3)(ii), a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of §60.112b(a)(1) or §60.113b(a)(3) and list each repair made.

40 CFR § 60.116b Monitoring of Operations.

- (a) The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source.
- (b) The owner or operator of each storage vessel as specified in §60.110b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Each storage vessel with a design capacity less than 75 m³ is subject to no provision of this subpart other than those required by this paragraph.
- (c) Except as provided in paragraphs (f) and (g) of this section, the owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m³ storing a liquid with a maximum true vapor pressure greater than or equal to 3.5 kPa or with a design capacity greater than or equal to 75 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure greater than or equal to 15.0 kPa shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
- (e) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.
 - (1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.
 - (2) For crude oil or refined petroleum products the vapor pressure may be obtained by the following:
 - (i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference-see §60.17), 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).

For the Gasoline Storage Tanks:

- * As a bulk gasoline terminal that is not subject to the control requirements of 40 CFR part 63, Subpart R (§§63.422, 63.423 and 63.424) or 40 CFR part 63, Subpart CC (§§63.646, 63.648, 63.649 and 63.650), per §63.11081(a)(1) the facility is subject to the requirements of 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.
- * You must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. §63.11085(a)
- * You must keep applicable records and submit reports as specified in §63.11094(g) and §63.11095. §63.11085(b)
- * You must meet each emission limit and management practice in Table 1 to this subpart that applies to your gasoline storage tank. §63.11087(a)
- * You must comply with the requirements of this subpart by the applicable dates specified in §63.11083, except that storage vessels equipped with floating roofs and not meeting the requirements of paragraph (a) of this section must be in compliance at the first degassing and cleaning activity after January 10, 2011 or by January 10, 2018, whichever is first. §63.11087(b)
- * You must comply with the applicable testing and monitoring requirements specified in §63.11092(e). §63.11087(c)
- * You must submit the applicable notifications as required under §63.11093. §63.11087(d)
- * You must keep records and submit reports as specified in §63.11094 and §63.11095. §63.11087(e)
- * If your gasoline storage tank is subject to, and complies with, the control requirements of 40 CFR part 60, subpart Kb of this chapter, your storage tank will be deemed in compliance with this section. You must report this determination in the Notification of Compliance Status report under §63.11093(b). §63.11087(f)
- * Each owner or operator of an affected source under this subpart must submit an Initial Notification as specified in §63.9(b). If your facility is in compliance with the requirements of this subpart at the time the Initial Notification is due, the Notification of Compliance Status required under paragraph (b) of this section may be submitted in lieu of the Initial Notification. §63.11093(a)
- * Each owner or operator of an affected source under this subpart must submit a Notification of Compliance Status as specified in §63.9(h). The Notification of Compliance Status must specify which of the compliance options included in Table 1 to this subpart is used to comply with this subpart. §63.11093(b)
- * Each owner or operator of an affected bulk gasoline terminal under this subpart must 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)
- * Each owner or operator of an affected source under this subpart must submit additional notifications specified in §63.9(h). §63.11093(d)
- * The owner or operator shall meet the record keeping requirements of §63.11094
- * The owner or operator shall meet the reporting requirements of §63.11095

Authority for Requirement: Polk County AQD Construction Permit # 2363 Modified #2
 40 CFR 60 Subpart K
 567 IAC 23.1(2) "bb"
 Polk County Board of Health Rules and Regulations Chapter V,
 Article VI, Sec. 5-16 (n) (28)
 40 CFR 60 Subpart Kb
 567 IAC 23.1(2)"ddd"
 Polk County Board of Health Rules and Regulations Chapter V,
 Article VI, Sec. 5-16 (n) (56)
 Polk County Chapter V, Article VIII, Sec. 5-20 (bbbbbb)
 567 IAC 23.1 (4) "eb"
 40 CFR 63 Subpart BBBB

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Specification	EP 79	EP 80
Shape	Circular	Circular
Size/Diameter	12 inches	12 inches
Minimum Height Above Grade	60 feet	60 feet
Discharge Style	Vertical, unobstructed	Vertical, unobstructed
Rated Flow Rate	N/A	N/A
Exhaust Temperature	Ambient	Ambient

Authority for Requirement: Polk County AQD Construction Permit # 2363 Modified #2

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

†: If the monthly total facility VOC and HAP actual emission calculations equals 75% or greater of the facility VOC and HAP emission limits, (315 TPY VOC; 7.05 TPY single HAP; and 18.3 TPY combined HAP), the following weekly calculations and record keeping schedule will apply. If three (3) subsequent weekly facility actual emission calculations results in emissions less than 75% of the facility VOC and HAP emission limits, the facility may revert back to the monthly calculations and record keeping schedule.

* Throughput records shall be kept on weekly basis for each individual tank. Records shall include the weekly total and 52 weeks rolling total. Records shall be kept on site for 5 years and be made available to representatives of Polk County AQD upon request.

* The facility shall calculate and record weekly the total facility actual VOC and HAP emissions and the rolling 52 weeks of each. HAP records shall be per individual HAP and for all HAPs combined. These records shall be kept on site for 5 years and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 51

Emission Unit vented through this Emission Point: 51

Emission Unit Description: Transmix Fractionator⁺

Raw Material/Fuel: Natural Gas

Rated Capacity: 6.46 MM BTU/Hr

Transmix Fractionator⁺ : Magellan states that the Transmix Fractionator (EU 51 / EP 51) is a Natural Gas Fired Heater.

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: <20%

Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM

Emission Limit: 0.10 gr/dscf

Authority for Requirement: 567 IAC 23.3 (2) "a"
Polk County Chapter V, Article VI, Sec. 5-14 (b)

Pollutant: SO₂

Emission Limit: 500 parts per million by volume

Authority for Requirement: 567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27

Pollutant: NO_x

Emission Limits: 0.594 lbs./ hr and 2.60 TPY

Authority for Requirement: Polk County AQD Construction Permit # 0627

Pollutant: CO

Emission Limits: 0.239 lbs./ hr and 1.05 TPY

Authority for Requirement: Polk County AQD Construction Permit # 0627

Pollutant: VOC

Emission Limits: 0.162 lbs./ hr and 0.710 TPY

Authority for Requirement: Polk County AQD Construction Permit # 0627

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Conditions: The permittee shall perform instrumental leak checks at all pump seals, valves, and flanges on a monthly basis.

Reporting & Record keeping: Records of leak checks shall be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Authority for Requirement: Polk County AQD Construction Permit # 0627

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 53

Emission Unit vented through this Emission Point: 53
Emission Unit Description: Groundwater Soil Remediation System
Raw Material/Fuel: Gasoline contaminated vapor
Rated Capacity: 5,000 scfm

Applicable Requirements**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

The emissions from this emission point shall not exceed the levels specified below.

<u>Pollutant</u>	<u>lbs/hr.</u>	<u>tons/year</u>	<u>Allowable Concentration</u>
VOC	---	12.0	---
VOC (facility wide)*	---	420.0	---
HAPs (single HAP)*	---	9.4	---
HAPs (total combined)*	---	24.4	---

* is a facility wide limit

Authority for Requirement: Polk County AQD Construction Permit # 0717 Modified #3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EU 53 is a fugitive emission source

Authority for Requirement: Polk County AQD Construction Permit # 0717 Modified #3

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

· EU 53 effluent shall be sampled and results logged monthly to demonstrate compliance with emission rates established in *(the emission limits table above)* of this permit. Said log shall include the 12 month rolling total.

ALTERNATIVE OPERATING SCENARIO:

The facility has demonstrated that this unit emitted less than 80% of the VOC emission rates found in *(the emission limits table above)* of this permit for a period of 12 consecutive months. This unit shall be permitted to operate uncontrolled. Under this uncontrolled operating scenario, monthly monitoring of the emissions shall be conducted and if the emissions exceed 80% of the emission rates in any given month, the unit will be shut down and the control equipment shall be re-installed and operated.

This shall be conducted in accordance with all applicable requirements. The installation of control equipment will require a construction permit application be submitted to the Polk County AQD.

If the system is required to operate with a control device: Remediation system effluents (influent to the control device) and effluents from the control device shall be sampled monthly. Calculations shall be done monthly to allocate the combined post-control emissions proportionally amongst the remediation systems based on the percentage that each system contributes to total control device loading as determined by the pre-control monitoring. A rolling 12 month total shall be generated monthly using the emission calculation result. Rolling 12 month totals shall be used to demonstrate compliance with emission limits. Calculation results shall be maintained on site for a minimum period of five years and made available to representatives of this department upon request.

Authority for Requirement: Polk County AQD Construction Permit # 0717 Modified #3

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 56

Emission Unit vented through this Emission Point: 56

Emission Unit Description: Railcar Loading Rack

Raw Material/Fuel: Fuel Oil

Rated Capacity: 142.35 Million Gallons/ Year

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: No Visible Emissions

Authority for Requirement: Polk County Construction Permit: 1229 Modified

Pollutant: VOC

Emission Limit: 2.089 TPY

Authority for Requirement: Polk County Construction Permit: 1229 Modified

Pollutant: HAPs

Emission Limit: 0.109 TPY

Authority for Requirement: Polk County Construction Permit: 1229 Modified

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

- The only product to be loaded at the railcar loading rack (EU 56) shall be fuel oil.
- The maximum amount of product to be loaded over the entire rack (EU 56) shall be 142,350,000 gallons per 12 month period, rolled monthly.

Reporting & Record keeping:

- The owner or operator shall calculate and record monthly the monthly throughput and 12 month rolling total of product loaded and associated emissions of EU 56.
- Records shall be kept on site for a period of 5 years and shall be made available to representatives of Polk County AQD upon request.
- Potential emission limits (*in the Emission Limits Section above*) are based on AP-42 Section 5.2-Transportation and Marketing of Petroleum Liquids and include a +30% probable error factor per Section 5.2.2.1.1.
The 30% probable error is not required to be included in actual emission calculations unless specifically directed to do so by a regulatory agency or rule.

Authority for Requirement: Polk County Construction Permit: 1229 Modified

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 13.7 feet

Stack Opening, (diameter): 20"

Exhaust Temperature: Ambient

Discharge Style: Unobstructed Vertical

Authority for Requirement: Polk County Construction Permit: 1229 Modified

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 59

Emission Unit vented through this Emission Point: 59
Emission Unit Description: MPE Groundwater Soil Remediation System
Raw Material/Fuel: Gasoline contaminated vapor
Rated Capacity: 5,000 scfm

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

<u>Pollutant</u>	<u>lbs/hr.</u>	<u>tons/year</u>	<u>Allowable Concentration</u>
VOC	---	4.93	---
VOC (facility wide)*	---	420.0	---
HAPs (single HAP)*	---	9.4	---
HAPs (total combined)*	---	24.4	---

** is a facility wide limit*

Authority for Requirement: Polk County AQD Construction Permit 1486 Modified

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EU 59 is a fugitive emission source

Authority for Requirement: Polk County Construction Permit: 1486 Modified

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

· EU 59 effluent shall be sampled and results logged monthly to demonstrate compliance with emission rates established in *(the Emission Limits in the table above)*. Said log shall include the 12 month rolling total

When the system is operated: Remediation system effluents (influent to the control device) and effluents from the control device shall be sampled monthly. Calculations shall be done monthly to allocate the combined post-control emissions proportionally amongst the remediation systems based on the percentage that each system contributes to total control device loading as determined by the pre-control monitoring. A rolling 12 month total shall be generated monthly using the emission calculation result. Rolling 12 month totals shall be used to demonstrate compliance with emission limits. Calculation results shall be maintained on site for a minimum period of five years and made available to representatives of this department upon request.

ALTERNATIVE OPERATING SCENARIO:

Upon demonstration that this unit, emits less than 80% of the VOC emission rates found *(in the Emission Limits Section above)* of this permit for a period of 12 consecutive months, this unit shall be permitted to operate uncontrolled. Under this uncontrolled operating scenario, monthly monitoring *(found in the paragraphs above)* of the emissions shall be conducted and if the emissions exceed 80% of the emission rates in any given month, the unit will be shut down and control equipment shall be installed and operated.

This shall be conducted in accordance with all applicable requirements. The installation of control equipment will require a construction permit application be submitted to the Polk County AQD.

Authority for Requirement: Polk County AQD Construction Permit 1486 Modified

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 65

Associated Equipment

Emissions Control Equipment ID Number: CE 65

Emissions Control Equipment Description: Catalytic Oxidizer

Emission Unit vented through this Emission Point: 65

Emission Unit Description: Air Lift Trench Remediation System

Raw Material/Fuel: Groundwater Contaminated with Gasoline

Rated Capacity: 300 acfm

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: VOC

Emission Limits: 2.31 lbs./ hr and 10.1 TPY

Allowable Concentration: 140.0 µg benzene/ cubic meter

Authority for Requirement: Polk County AQD Construction Permit 1233 Modified #2

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control equipment parameters: The Air-Lift Trench Remediation System, (EU 65 / EP 65), shall be operated with a properly installed and operating Catalytic Oxidizer, (CE 65), when the VOC emission rate exceeds or is equal to 2.08 lb/ hr, (rolling 12 month period average).

Work practice standards:

- 1) A sample of the remediation vent gases shall be taken once per month and analyzed for VOC/ HAP emission rate in lbs./ hr and concentration in mg/ L using NIOSH TO-3 or other approved method.
- 2) If the monthly analysis required indicates a VOC/ HAP emission rate or concentration higher than that allowed under the EP 65 Emission Limits, the facility must model the results using the most current version of SCREEN or ISCST for off-property and fence-line concentrations of BTEX and THC. Results must be submitted to Polk County AQD within one (1) month of the exceedance. Upon submission of modeling results, a determination will be made by AQD as to whether the emission limits in Polk County AQD Permit 1233 Modified (#2) may be administratively raised or installation of control equipment will be required.
- 3) Routine Periodic Inspection.

Reporting & Record keeping:

- 1) Sampling and analysis records will be maintained on-site for five years and made available to representatives of Polk County AQD upon request.
- 2) Actual VOC/ HAP emissions shall be calculated and reported as part of the Title V annual emissions inventory.

Authority for Requirement: Polk County AQD Construction Permit 1233 Modified #2

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Compliance Assurance Monitoring Plan for Magellan Pipeline Company, L.P.
– Des Moines Terminal
Facility located in Des Moines, Iowa

EP 65 – Air Lift Trench Remediation System with Catalytic Oxidizer

(This CAM Plan is only required to be followed when the catalytic oxidizer (CE 65) is required to be operated.)

I. Background

a. Emissions Unit

Description: Air Lift Trench (ALT) Remediation System with Catalytic Oxidizer
Identification: EU 65 / CE 65 / EP 65
Facility: Magellan Pipeline Company, L.P.
Des Moines, Iowa

b. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: Construction Permit #1233 Modified 2
VOC Emission Limit or Standard: 2.31 lbs/hr; 10.1 tons/year; 140 µg/cubic meter
Current Monitoring requirements: A sample of the remediation vent gases must be taken once per month and analyzed for VOC/HAP emission rate in lbs/hr and concentration in mg/L using a NIOSH TO-3 method.

c. Control Technology

Catalytic Combustion Corporation Catalytic Oxidizer – The emission unit is authorized to operate uncontrolled up to 90% of the emission limits (up to 2.08 lb/hr VOC). Once emissions reach or exceed 2.08 lb/hr on a rolling 12-month period average, the Catalytic Oxidizer will be used to ensure that emissions do not exceed the 2.31 lb/hr (rolling 12-month period) limit.

II. Monitoring Approach

a. Indicator

- i. Presence of a flame
- ii. Combustion Chamber Temperature

b. Measurement Approach

Once the Catalytic Oxidizer is turned on, a blower fan will purge the existing air in the unit. The system will be ignited using a supplemental gas source (propane). The system will heat the combustion chamber to a minimum set point temperature (600° F). Once the combustion chamber reaches 600° F, a signal is generated enabling the ALT system to operate and allowing vapors to enter the combustion chamber for destruction.

A flame rod is used to continuously monitor for the presence of a flame. The flame rod sticks in the flame and an electronic controller sends an A/C voltage signal through the rod. If a flame is present, a D/C current is returned back to the controller. If the flame goes out, or if no flame is present, the controller loses the D/C voltage signal and the system is shut down.

A temperature switch is used to continuously monitor the combustion chamber temperature during operation of the Catalytic Oxidizer. If the combustion chamber temperature falls below 600° F at any point during operation, the Catalytic Oxidizer will be shut down. In the event the Catalytic Oxidizer is shutdown during operation, the signal enabling operation of the ALT system is removed and the remediation system is automatically shutdown.

c. Indicator Range

Minimum combustion chamber temperature of 600° F

d. QIP (Quality Improvement Plan) Threshold (Optional)

Not applicable at this time.

e. Performance Criteria

Data representativeness:

- 1.) Presence of a flame ensures combustion.
- 2.) Proper temperature range in the combustion chamber can be associated with adequate vapor destruction per manufacturer data.

Verification of operational status:

- 1.) A flame rod verifies the presence of a flame.
- 2.) A temperature switch monitors and controls the combustion chamber temperature.

QA/QC practices and criteria:

Routine Inspection and maintenance of the Catalytic Oxidizer is performed weekly when operational. The Catalytic Oxidizer is maintained and operated with manufacturer's recommendations taken into consideration.

Monitoring frequency:

- 1.) Flame presence is monitored continuously by a flame rod during operation.
- 2.) Combustion Chamber Temperature is monitored continuously during operation.

Data collection procedure:

- 1.) Presence of a flame is monitored with the use of a flame rod.
- 2.) Combustion chamber temperature is monitored with the use of a temperature switch.

Averaging period:

Not Applicable

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 72

Emission Unit vented through this Emission Point: 72
Emission Unit Description: Transmix Distillation Unit (fractionator)
Raw Material/Fuel: Transmix
Rated Capacity: 20.83 lbs./ minute

Applicable Requirements**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit: 2001

Pollutant: VOC
Emission Limit: 3.65 TPY
Authority for Requirement: Polk County Construction Permit: 2001

Pollutant: Hexane
Emission Limit: 0.06 TPY
Authority for Requirement: Polk County Construction Permit: 2001

Pollutant: HAPs (combined)
Emission Limit: 0.19 TPY
Authority for Requirement: Polk County Construction Permit: 2001

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

- Routine Periodic Inspection

Authority for Requirement: Polk County Construction Permit: 2001

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 25 feet

Stack Opening, (diameter): 2"

Exhaust Temperature: Ambient

Rated Flow Rate: Variable

Discharge Style: Unobstructed Vertical

Authority for Requirement: Polk County Construction Permit: 2001

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 73

Emission Unit vented through this Emission Point: 73

Emission Unit Description: Butane Unloading/Loading and Blending Operations including: (2) 55,000 gallon storage tanks (2) 65,000 gallon storage tanks and (2) butane-truck loading positions

Raw Material/Fuel: Butane

Rated Capacity: 2,500 truck unloading/ loading events/ Year

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: No Visible Emissions

Authority for Requirement: Polk County Construction Permit: 2111 Modified #2

Pollutant: VOC

Emission Limit: 1.56 TPY

Authority for Requirement: Polk County Construction Permit: 2111 Modified #2

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

- The facility shall not exceed 2500 butane-truck unloading/loading events per twelve month period, rolled monthly.

Reporting & Record keeping:

- The facility shall record on a monthly basis the number of butane-truck unloading/loading events. This record shall contain the twelve month rolling total.
- Records shall be kept on site for a period of 5 years and shall be made available to representatives of Polk County AQD upon request.

Authority for Requirement: Polk County Construction Permit: 2111 Modified #2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Emissions from EU 73/EP 73 are fugitive.

Authority for Requirement: Polk County Construction Permit: 2111 Modified #2

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 74

Emission Unit vented through this Emission Point: 74
Emission Unit Description: Ethanol Rail Loading Rack
Raw Material/Fuel: Blended Ethanol and Natural Gasoline
Rated Capacity: 29,400,000 gallons (*per 12 month period, rolled monthly*)

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit: 2142

Pollutant: VOC
Emission Limit: 14.582 TPY
Authority for Requirement: Polk County Construction Permit: 2142

Pollutant: HAPs
Emission Limit: 0.214 TPY
Authority for Requirement: Polk County Construction Permit: 2142

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

- The ethanol rail loading rack (EU 74/EP 74) shall be limited to a throughput of 29,400,000 gallons (*per 12 month period, rolled monthly*) of blended ethanol and natural gasoline. Natural Gasoline shall not exceed five (5) % of the blend.

Work Practice Standards:

- The owner or operator shall not load any product through the ethanol rail loading rack which meets the definition of gasoline as defined by § 60.501.
- The ethanol rail loading rack shall be equipped with loading arms capable of submerge filling of the railcars.

Reporting & Record keeping:

- The owner or operator shall calculate on a monthly basis the actual VOC and HAP emissions for EU 74/EP 74. Said log shall include the 12 month rolling total, rolled monthly of VOC and HAP emissions.
- The owner or operator shall record monthly the throughput loaded through the ethanol rail loading rack (EU 74/EP74). Said log shall include the rolling 12 month total, rolled monthly for each product.

- The owner or operator shall maintain said throughput and emission records for a minimum period of 5 years. Said records shall be maintained on site and made available to representatives of this agency (*Polk County AQD*) upon request.

Authority for Requirement: Polk County Construction Permit: 2142

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

- Emissions from EU/EP 74 shall be considered fugitive.

Authority for Requirement: Polk County Construction Permit: 2142

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 77

Emission Unit vented through this Emission Point: 77
Emission Unit Description: Control Room Sub-Slab Remediation Vent
Raw Material/Fuel: Total HydroCarbons (THC) Exhausted
Rated Capacity: 36.258 lbs./ day

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: VOC
Emission Limit: 6.73 TPY
Authority for Requirement: Polk County Construction Permit: 2190

Pollutant: HAPs
Emission Limit: 0.14 TPY
Authority for Requirement: Polk County Construction Permit: 2190

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

- The facility shall include HAP emissions from EU 77 in the demonstration of compliance with the Et equation of §63.420.

Reporting & Record keeping:

- The facility shall calculate and report the annual VOC and HAP emissions as part of the facility's Title V Annual Emission Inventory Statement.

Authority for Requirement: Polk County Construction Permit: 2190

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 18 feet
Stack Opening, (diameter): 2"
Exhaust Temperature: 110°F
Rated Flow Rate: 140 acfm at 0" vacuum
Discharge Style: Unobstructed Vertical
Authority for Requirement: Polk County Construction Permit: 2190

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 78

Emission Unit vented through this Emission Point: 78
Emission Unit Description: Truck Rack Sub-Slab Remediation Vent
Raw Material/Fuel: Total HydroCarbons (THC) Exhausted
Rated Capacity: 5.899 lbs./ day

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: VOC

Emission Limit: 1.08 TPY

Authority for Requirement: Polk County Construction Permit: 2191

Pollutant: HAPs

Emission Limit: 0.03 TPY

Authority for Requirement: Polk County Construction Permit: 2191

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

- The facility shall include HAP emissions from EU 78 in the demonstration of compliance with the Et equation of §63.420.

Reporting & Record keeping:

- The facility shall calculate and report the annual VOC and HAP emissions as part of the facility's Title V Annual Emission Inventory Statement.

Authority for Requirement: Polk County Construction Permit: 2191

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 18 feet
Stack Opening, (diameter): 2"
Exhaust Temperature: 110°F
Rated Flow Rate: 140 acfm at 0" vacuum
Discharge Style: Unobstructed Vertical
Authority for Requirement: Polk County Construction Permit: 2191

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: BD1

Emission Unit vented through this Emission Point: BDT1
Emission Unit Description: Biodiesel Storage Tank (Tank 153)
Raw Material/Fuel: Biodiesel
Rated Capacity: 5,000 Barrel

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: VOC
Emission Limit: 1.39 TPY
Authority for Requirement: Polk County Construction Permit: 2349

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

- Throughput through the 5,000 barrel biodiesel storage tank (EU BDT1) shall not exceed 20,958,034 gallons per any 12 month period, rolled monthly.
- The throughput of EU BDT1 shall be tracked daily. The facility shall record on a monthly basis, the monthly throughput total and rolling twelve month total.

Reporting & Record keeping:

- Records shall be kept for five years and be made available to representatives of this department upon request.

Authority for Requirement: Polk County Construction Permit: 2349

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 32 feet

Stack Opening, (diameter): 6"

Exhaust Temperature: Ambient

Discharge Style: Downward

Authority for Requirement: Polk County Construction Permit: 2349

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: BD2

Emission Unit vented through this Emission Point: BDOL

Emission Unit Description: Biodiesel Offloading System

Raw Material/Fuel: Biodiesel

Rated Capacity: 20,958,034 gallons per any 12 month period, rolled monthly

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: VOC

Emission Limit: 0.32 TPY

Authority for Requirement: Polk County Construction Permit: 2349

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

- Throughput through the 5,000 barrel biodiesel storage tank (EU BDT1) shall not exceed 20,958,034 gallons per any 12 month period, rolled monthly.
- The throughput of EU BDT1 shall be tracked daily. The facility shall record on a monthly basis, the monthly throughput total and rolling twelve month total.

Reporting & Record keeping:

- Records shall be kept for five years and be made available to representatives of this department upon request.

Authority for Requirement: Polk County Construction Permit: 2349

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 34 feet

Stack Opening, (diameter): 3-4"

Exhaust Temperature: Ambient

Discharge Style: Unobstructed Vertical

Authority for Requirement: Polk County Construction Permit: 2349

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: PFT

Emission Unit vented through this Emission Point: PFT
Emission Unit Description: (2) 21,000 gallon Portable Frac Tanks
Raw Material/Fuel: Frac (gasoline and fuel oil mixture)
Rated Capacity: 42,000 Gallons

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: VOC

Emission Limit: 0.71 TPY (Individual tank) and 1.42 TPY (Portable Frac Tanks combined)

Authority for Requirement: Polk County Construction Permit: 2255 Modified

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

- EU PFT shall not exceed 90 days (2,160 hours) of operation in a rolling twelve month period. Each time EU PFT is placed into service, the owner or operator shall record the start up and shut down date. Said log shall include a 12 month rolling total of hours of operation.

Reporting & Record keeping:

- The facility shall calculate and report the annual VOC emissions as part of the facility's Title V Annual Emission Inventory Statement.
- The owner or operator shall keep all records on site for a period of five years. Said records shall be made available to representatives of this agency upon request.

Authority for Requirement: Polk County Construction Permit: 2255 Modified

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): < 13 feet

Stack Opening, (diameter): 5-10"

Exhaust Temperature: Ambient

Discharge Style: Vertical

Authority for Requirement: Polk County Construction Permit: 2255 Modified

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22 and Polk County Board Of Health Rules And Regulations, Chapter V, Air Pollution, (Chapter V), Article X, 5-35.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and must be incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*
6. For applicable requirements with which the permittee is in compliance, the permittee shall continue to comply with such requirements. For applicable requirements that will become effective during the permit term, the permittee shall meet such requirements on a timely basis. *567 IAC 22.108(15)"c"*

G2. Permit Expiration

1. Except as provided in rule 567—22.104(455B), permit expiration terminates a source's right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—22.105(455B). *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department to the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Windsor Heights, Iowa 50324, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to EPA Region VII, Attention: Chief of Air Permits, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in *567 IAC 22.105(2)*. *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)"e"*

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and Polk County Air Quality Division. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and Polk County Air Quality Division. *567 IAC 22.108 (5)*.

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the Department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
 - a. Form 1.0 "Facility Identification";
 - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
 - c. Form 5.0 "Title V annual emissions summary/fee"; and
 - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
 - a. Form 1.0 "Facility Identification";
 - b. Form 5.0 "Title V annual emissions summary/fee";
 - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"* and *Chapter V, Article II, 5-3 and 5-4*

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e" and Chapter V, Article X, 5-46 and 5-47*

G9. General Maintenance and Repair Duties

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1) and Chapter V, Article VI, Section 5-17.1*

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
 - a. The date, place and time of sampling or measurements
 - b. The date the analyses were performed.
 - c. The company or entity that performed the analyses.
 - d. The analytical techniques or methods used.
 - e. The results of such analyses; and
 - f. The operating conditions as existing at the time of sampling or measurement.
 - g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
 - a. Comply with all terms and conditions of this permit specific to each alternative scenario.
 - b. Maintain a log at the permitted facility of the scenario under which it is operating.
 - c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Evidence used in establishing that a violation has or is occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:
 - a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
 - b. Compliance test methods specified in 567 Chapter 25; or
 - c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.
2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
 - a. Any monitoring or testing methods provided in these rules; or
 - b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the Department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in *567 IAC 131.2(2)*. *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in *567-subrule 25.1(6)*. An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in *567-subrule 25.1(1)*) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

- i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and expected duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps being taken to remedy the excess emission.
- vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.

- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
 - vi. The steps that were taken to limit the excess emission.
 - vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4) and Chapter V, Article VI, 5-17*
3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:
- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The facility at the time was being properly operated;
 - c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
 - d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)* This notification must be made to Polk County Air Quality Division, in lieu of the Department, upon adoption of the NSPS or NESHAP into Chapter V.

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

- 1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
 - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
 - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
 - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
 - d. The changes are not subject to any requirement under Title IV of the Act.
 - e. The changes comply with all applicable requirements.
 - f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which will be attached to the permit by the source, the department and the administrator:
 - i. A brief description of the change within the permitted facility,
 - ii. The date on which the change will occur,
 - iii. Any change in emission as a result of that change,
 - iv. The pollutants emitted subject to the emissions trade
 - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.

- vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
- vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 22.110(1)*
- 2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110.(2)*
- 3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110.(3)*
- 4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110.(4)*
- 5. Aggregate Insignificant Emissions. The permittee shall not construct, establish or operate any new insignificant activities or modify any existing insignificant activities in such a way that the emissions from these activities no longer meet the criteria of aggregate insignificant emissions. If the aggregate insignificant emissions are expected to be exceeded, the permittee shall submit the appropriate permit modification and receive approval prior to making any change. *567 IAC 22.103.(2)*
- 6. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108 (11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

- a. An administrative permit amendment is a permit revision that is required to do any of the following:
 - i. Correct typographical errors
 - ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
 - iii. Require more frequent monitoring or reporting by the permittee; or
 - iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
- b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
- c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Permit Modification.

- a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:
 - i. Do not violate any applicable requirements
 - ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.
 - iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.
 - iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;
 - v. Are not modifications under any provision of Title I of the Act; and
 - vi. Are not required to be processed as significant modification.
- b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
 - i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.
 - ii. The permittee's suggested draft permit
 - iii. Certification by a responsible official, pursuant to *567 IAC 22.107(4)*, that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit terms and conditions it seeks to modify may subject the facility to enforcement action.

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. 567 IAC 22.111-567 IAC 22.113 The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. 567 IAC 22.105(1)"a"(8)

G19. Duty to Obtain Construction Permits

Unless exempted under 567 IAC 22.1(2) and Chapter V, Article X, 5-33, the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8 & Polk County Chapter V, Article X, 5-28, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. 567 IAC 22.1(1) and Chapter V, Article X, 5-28

G20. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when activities involve asbestos mills, surfacing of roadways, manufacturing operations, fabricating, insulating, waste disposal, spraying applications, demolition and renovation operations, training fires and controlled burning of a demolished building. 567 IAC 23.1(3)"a", and 567 IAC 23.2

G21. Open Burning

The permittee is prohibited from conducting open burning, except as may be allowed by Chapter V, Article III, 5-7

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated thereunder. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners or operators of the unit or the designated representative of the owners or operators is prohibited. Exceedences of applicable emission rates are prohibited. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. 567 IAC 22.108(7)

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements

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 MVACs in 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 reporting and recordkeeping 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 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 (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
 - a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
 - b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
 - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:
 - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
 - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
 - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date

of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.

d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

G25. Permit Shield

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

a. Such applicable requirements are included and are specifically identified in the permit;
or

b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.

3. A permit shield shall not alter or affect the following:

a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;

b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;

d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this Department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)* and *Chapter V, Article XVII, 5-77*

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

G28. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. *567 IAC 22.111 (1)"d"*

G29. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Windsor Heights, IA 50324
(515) 242-6001

Within Polk County, stack test notifications, reports, correspondence, and the appropriate fee shall also be directed to the supervisor of the county air pollution program.

567 IAC 25.1(7)"a", 567 IAC 25.1(9) and Chapter V, Article VII, 5-18 and 5-19

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons. *567 IAC 26.1(1)*

G32. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits

EPA Region 7

Air Permits and Compliance Branch

11201 Renner Boulevard

Lenexa, KS 66219

(913) 551-7020

The current address and phone number for reports and notifications to the Department or the Director is:

Chief, Air Quality Bureau

Iowa Department of Natural Resources

7900 Hickman Road, Suite #1

Windsor Heights, IA 50324

(515) 242-5100

Reports or notifications to the local program shall be directed to the supervisor at the appropriate local program.

Current address and phone number is:

Polk County Public Works Department

Air Quality Division

5885 NE 14th St.

Des Moines, IA 50313

(515) 286-3351

V. Appendix I.

40 CFR 63.11080 - 63.11100, Subpart BBBBBB—National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

Title 40: Protection of Environment

PART 63—NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (CONTINUED)

[73 FR 1933, Jan. 10, 2008, as amended at 76 FR 4180, Jan. 24, 2011]

Subpart BBBBBB—National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

Contents

WHAT THIS SUBPART COVERS

- [§ 63.11080 What is the purpose of this subpart?](#)
- [§ 63.11081 Am I subject to the requirements in this subpart?](#)
- [§ 63.11082 What parts of my affected source does this subpart cover?](#)
- [§ 63.11083 When do I have to comply with this subpart?](#)

EMISSION LIMITATIONS AND MANAGEMENT PRACTICES

- [§ 63.11085 What are my general duties to minimize emissions?](#)
- [§ 63.11086 What requirements must I meet if my facility is a bulk gasoline plant?](#)
- [§ 63.11087 What requirements must I meet for gasoline storage tanks if my facility is a bulk gasoline terminal, pipeline breakout station, or pipeline pumping station?](#)
- [§ 63.11088 What requirements must I meet for gasoline loading racks if my facility is a bulk gasoline terminal, pipeline breakout station, or pipeline pumping station?](#)
- [§ 63.11089 What requirements must I meet for equipment leak inspections if my facility is a bulk gasoline terminal, bulk plant, pipeline breakout station, or pipeline pumping station?](#)

TESTING AND MONITORING REQUIREMENTS

- [§ 63.11092 What testing and monitoring requirements must I meet?](#)

NOTIFICATIONS, RECORDS, AND REPORTS

- [§ 63.11093 What notifications must I submit and when?](#)
- [§ 63.11094 What are my recordkeeping requirements?](#)
- [§ 63.11095 What are my reporting requirements?](#)

OTHER REQUIREMENTS AND INFORMATION

- [§ 63.11098 What parts of the General Provisions apply to me?](#)
- [§ 63.11099 Who implements and enforces this subpart?](#)
- [§ 63.11100 What definitions apply to this subpart?](#)
- [Table 1 to Subpart BBBBBB of Part 63—Applicability Criteria, Emission Limits, and Management Practices for Storage Tanks](#)
- [Table 2 to Subpart BBBBBB of Part 63—Applicability Criteria, Emission Limits, and Management Practices for Loading Racks](#)
- [Table 3 to Subpart BBBBBB of Part 63—Applicability of General Provisions](#)

SOURCE: 73 FR 1933, Jan. 10, 2008, unless otherwise noted.

[↑ Back to Top](#)

What This Subpart Covers

[↑ Back to Top](#)

§ 63.11080 What is the purpose of this subpart?

This subpart establishes national emission limitations and management practices for hazardous air pollutants (HAP) emitted from area source gasoline distribution bulk terminals, bulk plants, and pipeline facilities. This subpart also establishes requirements to demonstrate compliance with the emission limitations and management practices.

[↑ Back to Top](#)

§ 63.11081 Am I subject to the requirements in this subpart?

(a) The affected source to which this subpart applies is each area source bulk gasoline terminal, pipeline breakout station, pipeline pumping station, and bulk gasoline plant identified in paragraphs (a)(1) through (4) of this section. You are subject to the requirements in this subpart if you own or operate one or more of the affected area sources identified in paragraphs (a)(1) through (4) of this section.

(1) A bulk gasoline terminal that is not subject to the control requirements of 40 CFR part 63, subpart R (§§ 63.422, 63.423, and 63.424) or 40 CFR part 63, subpart CC (§§ 63.646, 63.648, 63.649, and 63.650).

(2) A pipeline breakout station that is not subject to the control requirements of 40 CFR part 63, subpart R (§§ 63.423 and 63.424).

(3) A pipeline pumping station.

(4) A bulk gasoline plant.

(b) If you are an owner or operator of affected sources, as defined in (a)(1) through (4) of this section, you are not required to meet the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71 as a result of being subject to this subpart. However, you are still subject to the requirement to apply for and obtain a permit under 40 CFR part 70 or 40 CFR part 71 if you meet one or more of the applicability criteria found in 40 CFR 70.3(a) and (b) or 40 CFR part 71.3(a) and (b).

(c) Gasoline storage tanks that are located at affected sources identified in paragraphs (a)(1) through (a)(4) of this section, and that are used only for dispensing gasoline in a manner consistent with tanks located at a gasoline dispensing facility as defined in § 63.11132, are not subject to any of the requirements in this subpart. These tanks must comply with subpart CCCCCC of this part.

(d) The loading of aviation gasoline into storage tanks at airports, and the subsequent transfer of aviation gasoline within the airport, is not subject to this subpart.

(e) The loading of gasoline into marine tank vessels at bulk facilities is not subject to this subpart.

(f) If your affected source's throughput ever exceeds an applicable throughput threshold in the definition of "bulk gasoline terminal" or in item 1 in Table 2 to this subpart, the affected source will remain subject to the requirements for sources above the threshold, even if the affected source throughput later falls below the applicable throughput threshold.

(g) For the purpose of determining gasoline throughput, as used in the definition of bulk gasoline plant and bulk gasoline terminal, the 20,000 gallons per day threshold throughput is the maximum calculated design throughput for any day, and is not an average. An enforceable State, local, or Tribal permit limitation on throughput, established prior to the applicable compliance date, may be used in lieu of the 20,000 gallons per day design capacity throughput threshold to determine whether the facility is a bulk gasoline plant or a bulk gasoline terminal.

(h) Storage tanks that are used to load gasoline into a cargo tank for the on-site redistribution of gasoline to another storage tank are subject to this subpart.

(i) For any affected source subject to the provisions of this subpart and another Federal rule, you may elect to comply only with the more stringent provisions of the applicable subparts. You must consider all provisions of the rules, including monitoring, recordkeeping, and reporting. You must identify the affected source and provisions with which you will comply in your Notification of Compliance Status required under § 63.11093. You also must demonstrate in your Notification of Compliance Status that each provision with which you will comply is at least as stringent as the otherwise applicable requirements in this subpart.

You are responsible for making accurate determinations concerning the more stringent provisions; noncompliance with this rule is not excused if it is later determined that your determination was in error, and, as a result, you are violating this subpart. Compliance with this rule is your responsibility, and the Notification of Compliance Status does not alter or affect that responsibility.

(j) For new or reconstructed affected sources, as specified in § 63.11082(b) and (c), recordkeeping to document applicable throughput must begin upon startup of the affected source. For existing sources, as specified in § 63.11082(d), recordkeeping to document applicable throughput must begin on January 10, 2008. Records required under this paragraph shall be kept for a period of 5 years.

[73 FR 1933, Jan. 10, 2008, as amended at 76 FR 4176, Jan. 24, 2011]

[↑ Back to Top](#)

§ 63.11082 What parts of my affected source does this subpart cover?

(a) The emission sources to which this subpart applies are gasoline storage tanks, gasoline loading racks, vapor collection-equipped gasoline cargo tanks, and equipment components in vapor or liquid gasoline service that meet the criteria specified in Tables 1 through 3 to this subpart.

(b) An affected source is a new affected source if you commenced construction on the affected source after November 9, 2006, and you meet the applicability criteria in § 63.11081 at the time you commenced operation.

(c) An affected source is reconstructed if you meet the criteria for reconstruction as defined in § 63.2.

(d) An affected source is an existing affected source if it is not new or reconstructed.

[↑ Back to Top](#)

§ 63.11083 When do I have to comply with this subpart?

(a) If you have a new or reconstructed affected source, you must comply with this subpart according to paragraphs (a)(1) and (2) of this section.

(1) If you start up your affected source before January 10, 2008, you must comply with the standards in this subpart no later than January 10, 2008.

(2) If you start up your affected source after January 10, 2008, you must comply with the standards in this subpart upon startup of your affected source.

(b) If you have an existing affected source, you must comply with the standards in this subpart no later than January 10, 2011.

(c) If you have an existing affected source that becomes subject to the control requirements in this subpart because of an increase in the daily throughput, as specified in option 1 of Table 2 to this subpart, you must comply with the standards in this subpart no later than 3 years after the affected source becomes subject to the control requirements in this subpart.

[73 FR 1933, Jan. 10, 2008, as amended at 76 FR 4177, Jan. 24, 2011]

[↑ Back to Top](#)

Emission Limitations and Management Practices

[↑ Back to Top](#)

§ 63.11085 What are my general duties to minimize emissions?

Each owner or operator of an affected source under this subpart must comply with the requirements of paragraphs (a) and (b) of this section.

(a) You must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) You must keep applicable records and submit reports as specified in § 63.11094(g) and § 63.11095(d).

[76 FR 4177, Jan. 24, 2011]

[↑ Back to Top](#)

§ 63.11086 What requirements must I meet if my facility is a bulk gasoline plant?

Each owner or operator of an affected bulk gasoline plant, as defined in § 63.11100, must comply with the requirements of paragraphs (a) through (i) of this section.

(a) Except as specified in paragraph (b) of this section, you must only load gasoline into storage tanks and cargo tanks at your facility by utilizing submerged filling, as defined in § 63.11100, and as specified in paragraphs (a)(1), (a)(2), or (a)(3) of this section. The applicable distances in paragraphs (a)(1) and (2) of this section shall be measured from the point in the opening of the submerged fill pipe that is the greatest distance from the bottom of the storage tank.

(1) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank.

(2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.

(3) Submerged fill pipes not meeting the specifications of paragraphs (a)(1) or (a)(2) of this section are allowed if the owner or operator can demonstrate that the liquid level in the gasoline storage tank is always above the entire opening of the fill pipe. Documentation providing such demonstration must be made available for inspection by the Administrator's delegated representative during the course of a site visit.

(b) Gasoline storage tanks with a capacity of less than 250 gallons are not required to comply with the control requirements in paragraph (a) of this section, but must comply only with the requirements in paragraph (d) of this section.

(c) You must perform a monthly leak inspection of all equipment in gasoline service according to the requirements specified in § 63.11089(a) through (d).

(d) You must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

(1) Minimize gasoline spills;

(2) Clean up spills as expeditiously as practicable;

(3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;

(4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

(e) You must submit an Initial Notification that you are subject to this subpart by May 9, 2008 unless you meet the requirements in paragraph (g) of this section. The Initial Notification must contain the information specified in paragraphs (e)(1) through (4) of this section. The notification must be submitted to the applicable EPA Regional Office and the delegated State authority, as specified in § 63.13.

(1) The name and address of the owner and the operator.

(2) The address (i.e., physical location) of the bulk plant.

(3) A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a), (b), (c), and (d) of this section that apply to you.

(4) A brief description of the bulk plant, including the number of storage tanks in gasoline service, the capacity of each storage tank in gasoline service, and the average monthly gasoline throughput at the affected source.

(f) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in § 63.13, by the compliance date specified in § 63.11083 unless you meet the requirements in paragraph (g) of this section. The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy and must indicate whether the source has complied with the requirements of this subpart. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required under paragraph (e) of this section is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required under paragraph (e) of this section.

(g) If, prior to January 10, 2008, you are operating in compliance with an enforceable State, local, or tribal rule or permit that requires submerged fill as specified in § 63.11086(a), you are not required to submit an Initial Notification or a Notification of Compliance Status under paragraph (e) or paragraph (f) of this section.

(h) You must comply with the requirements of this subpart by the applicable dates specified in § 63.11083.

(i) You must keep applicable records and submit reports as specified in § 63.11094(d) and (e) and § 63.11095(c).

[73 FR 1933, Jan. 10, 2008, as amended at 76 FR 4177, Jan. 24, 2011]

[↑ Back to Top](#)

§ 63.11087 What requirements must I meet for gasoline storage tanks if my facility is a bulk gasoline terminal, pipeline breakout station, or pipeline pumping station?

(a) You must meet each emission limit and management practice in Table 1 to this subpart that applies to your gasoline storage tank.

(b) You must comply with the requirements of this subpart by the applicable dates specified in § 63.11083, except that storage vessels equipped with floating roofs and not meeting the requirements of paragraph (a) of this section must be in compliance at the first degassing and cleaning activity after January 10, 2011 or by January 10, 2018, whichever is first.

(c) You must comply with the applicable testing and monitoring requirements specified in § 63.11092(e).

(d) You must submit the applicable notifications as required under § 63.11093.

(e) You must keep records and submit reports as specified in §§ 63.11094 and 63.11095.

(f) If your gasoline storage tank is subject to, and complies with, the control requirements of 40 CFR part 60, subpart Kb of this chapter, your storage tank will be deemed in compliance with this section. You must report this determination in the Notification of Compliance Status report under § 63.11093(b).

[↑ Back to Top](#)

§ 63.11088 What requirements must I meet for gasoline loading racks if my facility is a bulk gasoline terminal, pipeline breakout station, or pipeline pumping station?

(a) You must meet each emission limit and management practice in Table 2 to this subpart that applies to you.

(b) As an alternative for railcar cargo tanks to the requirements specified in Table 2 to this subpart, you may comply with the requirements specified in § 63.422(e).

(c) You must comply with the requirements of this subpart by the applicable dates specified in § 63.11083.

(d) You must comply with the applicable testing and monitoring requirements specified in § 63.11092.

(e) You must submit the applicable notifications as required under § 63.11093.

(f) You must keep records and submit reports as specified in §§ 63.11094 and 63.11095.

[↑ Back to Top](#)

§ 63.11089 What requirements must I meet for equipment leak inspections if my facility is a bulk gasoline terminal, bulk plant, pipeline breakout station, or pipeline pumping station?

(a) Each owner or operator of a bulk gasoline terminal, bulk plant, pipeline breakout station, or pipeline pumping station subject to the provisions of this subpart 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.

(b) A log book shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.

(c) Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in paragraph (d) of this section.

(d) Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report specified in § 63.11095(b), the reason(s) why the repair was not feasible and the date each repair was completed.

(e) You must comply with the requirements of this subpart by the applicable dates specified in § 63.11083.

(f) You must submit the applicable notifications as required under § 63.11093.

(g) You must keep records and submit reports as specified in §§ 63.11094 and 63.11095.

[↑ Back to Top](#)

Testing and Monitoring Requirements

[↑ Back to Top](#)

§ 63.11092 What testing and monitoring requirements must I meet?

(a) Each owner or operator of a bulk gasoline terminal subject to the emission standard in item 1(b) of Table 2 to this subpart must comply with the requirements in paragraphs (a) through (d) of this section.

(1) Conduct a performance test on the vapor processing and collection systems according to either paragraph (a)(1)(i) or paragraph (a)(1)(ii) of this section.

(i) Use the test methods and procedures in § 60.503 of this chapter, except a reading of 500 parts per million shall be used to determine the level of leaks to be repaired under § 60.503(b) of this chapter.

(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in § 63.7(f).

(2) If you are operating your gasoline loading rack in compliance with an enforceable State, local, or tribal rule or permit that requires your loading rack to meet an emission limit of 80 milligrams (mg), or less, per liter of gasoline loaded (mg/l), you may submit a statement by a responsible official of your facility

certifying the compliance status of your loading rack in lieu of the test required under paragraph (a)(1) of this section.

(3) If you have conducted performance testing on the vapor processing and collection systems within 5 years prior to January 10, 2008, and the test is for the affected facility and is representative of current or anticipated operating processes and conditions, you may submit the results of such testing in lieu of the test required under paragraph (a)(1) of this section, provided the testing was conducted using the test methods and procedures in § 60.503 of this chapter. Should the Administrator deem the prior test data unacceptable, the facility is still required to meet the requirement to conduct an initial performance test within 180 days of the compliance date specified in § 63.11083; thus, previous test reports should be submitted as soon as possible after January 10, 2008.

(4) The performance test requirements of § 63.11092(a) do not apply to flares defined in § 63.11100 and meeting the flare requirements in § 63.11(b). The owner or operator shall demonstrate that the flare and associated vapor collection system is in compliance with the requirements in § 63.11(b) and 40 CFR 60.503(a), (b), and (d).

(b) Each owner or operator of a bulk gasoline terminal subject to the provisions of this subpart 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 paragraphs (b)(1) through (5) of this section. For each facility conducting a performance test under paragraph (a)(1) of this section, and for each facility utilizing the provisions of paragraphs (a)(2) or (a)(3) of this section, the CMS must be installed by January 10, 2011.

(1) For each performance test conducted under paragraph (a)(1) of this section, the owner or operator shall determine a monitored operating parameter value for the vapor processing system using the procedures specified in paragraphs (b)(1)(i) through (iv) of this section. During the performance test, continuously record the operating parameter as specified under paragraphs (b)(1)(i) through (iv) of this section.

(i) Where a carbon adsorption system is used, the owner or operator shall monitor the operation of the system as specified in paragraphs (b)(1)(i)(A) or (B) of this section.

(A) A continuous emissions monitoring system (CEMS) capable of measuring organic compound concentration shall be installed in the exhaust air stream.

(B) As an alternative to paragraph (b)(1)(i)(A) of this section, you may choose to meet the requirements listed in paragraph (b)(1)(i)(B)(1) and (2) of this section.

(1) Carbon adsorption devices shall be monitored as specified in paragraphs (b)(1)(i)(B)(1)(i),(ii), and (iii) of this section.

(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.

(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.

(iii) Conduct monthly measurements of the carbon bed outlet volatile organic compounds (VOC) concentration over the last 5 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.

(2) Develop and submit to the Administrator a monitoring and inspection plan that describes the owner or operator's approach for meeting the requirements in paragraphs (b)(1)(i)(B)(2)(i) through (v) of this section.

(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.

(ii) The owner or operator 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.

(iii) The owner or operator 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.

(iv) The monitoring plan developed under paragraph (2) of this section shall specify conditions that would be considered malfunctions of the carbon adsorption system during the inspections or automated monitoring performed under paragraphs (b)(1)(i)(B)(2)(i) through (iii) of this section, describe specific corrective actions that will be taken to correct any malfunction, and define what the owner or operator would consider to be a timely repair for each potential malfunction.

(v) The owner or operator 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.

(ii) Where a refrigeration condenser system is used, a continuous parameter monitoring system (CPMS) capable of measuring temperature shall be installed immediately downstream from the outlet to the condenser section. Alternatively, a CEMS capable of measuring organic compound concentration may be installed in the exhaust air stream.

(iii) Where a thermal oxidation system other than a flare is used, the owner or operator shall monitor the operation of the system as specified in paragraphs (b)(1)(iii)(A) or (B) of this section.

(A) 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.

(B) As an alternative to paragraph (b)(1)(iii)(A) of this section, you may choose to meet the requirements listed in paragraphs (b)(1)(iii)(B)(1) and (2) of this section.

(1) 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.

(2) Develop and submit to the Administrator a monitoring and inspection plan that describes the owner or operator's approach for meeting the requirements in paragraphs (b)(1)(iii)(B)(2)(i) through (v) of this section.

(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.

(ii) The owner or operator 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.

(iii) The owner or operator 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.

(iv) The monitoring plan developed under paragraph (2) of this section shall specify conditions that would be considered malfunctions of the thermal oxidation system during the inspections or automated monitoring performed under paragraphs (b)(1)(iii)(B)(2)(ii) and (iii) of this section, describe specific corrective actions that will be taken to correct any malfunction, and define what the owner or operator would consider to be a timely repair for each potential malfunction.

(v) The owner or operator 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.

(iv) Monitoring an alternative operating parameter or a parameter of a vapor processing system other than those listed in paragraphs (b)(1)(i) through (iii) of this section 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).

(2) Where a flare meeting the requirements in § 63.11(b) is used, a heat-sensing device, such as an ultraviolet beam sensor or a thermocouple, must be installed in proximity to the pilot light to indicate the presence of a flame.

(3) Determine an operating parameter value based on the parameter data monitored during the performance test, supplemented by engineering assessments and the manufacturer's recommendations.

(4) 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).

(5) If you have chosen to comply with the performance testing alternatives provided under paragraph (a)(2) or paragraph (a)(3) of this section, the monitored operating parameter value may be determined according to the provisions in paragraph (b)(5)(i) or paragraph (b)(5)(ii) of this section.

(i) Monitor an operating parameter that has been approved by the Administrator and is specified in your facility's current enforceable operating permit. At the time that the Administrator requires a new performance test, you must determine the monitored operating parameter value according to the requirements specified in paragraph (b) of this section.

(ii) Determine an operating parameter value based on engineering assessment and the manufacturer's recommendation and submit the information specified in paragraph (b)(4) of this section for approval by the Administrator. At the time that the Administrator requires a new performance test, you must determine the monitored operating parameter value according to the requirements specified in paragraph (b) of this section.

(c) For performance tests performed after the initial test required under paragraph (a) of this section, the owner or operator shall document the reasons for any change in the operating parameter value since the previous performance test.

(d) Each owner or operator of a bulk gasoline terminal subject to the provisions of this subpart shall comply with the requirements in paragraphs (d)(1) through (4) of this section.

(1) Operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in paragraph (b)(1) of this section.

(2) In cases where an alternative parameter pursuant to paragraph (b)(1)(iv) or paragraph (b)(5)(i) of this section is approved, each owner or operator shall operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the alternative operating parameter value.

(3) Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in § 63.11088(a), except as specified in paragraph (d)(4) of this section.

(4) For the monitoring and inspection, as required under paragraphs (b)(1)(i)(B)(2) and (b)(1)(iii)(B)(2) of this section, 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 owner or operator must:

(i) Initiate corrective action to determine the cause of the problem within 1 hour;

(ii) Initiate corrective action to fix the problem within 24 hours;

(iii) Complete all corrective actions needed to fix the problem as soon as practicable consistent with good air pollution control practices for minimizing emissions;

(iv) Minimize periods of start-up, shutdown, or malfunction; and

(v) Take any necessary corrective actions to restore normal operation and prevent the recurrence of the cause of the problem.

(e) Each owner or operator subject to the emission standard in § 63.11087 for gasoline storage tanks shall comply with the requirements in paragraphs (e)(1) through (3) of this section.

(1) If your gasoline storage tank is equipped with an internal floating roof, you must perform inspections of the floating roof system according to the requirements of § 60.113b(a) if you are complying with option 2(b) in Table 1 to this subpart, or according to the requirements of § 63.1063(c)(1) if you are complying with option 2(d) in Table 1 to this subpart.

(2) If your gasoline storage tank is equipped with an external floating roof, you must perform inspections of the floating roof system according to the requirements of § 60.113b(b) if you are complying with option 2(c) in Table 1 to this subpart, or according to the requirements of § 63.1063(c)(2) if you are complying with option 2(d) in Table 1 to this subpart.

(3) If your gasoline storage tank is equipped with a closed vent system and control device, you must conduct a performance test and determine a monitored operating parameter value in accordance with the requirements in paragraphs (a) through (d) of this section, except that the applicable level of control specified in paragraph (a)(2) of this section shall be a 95-percent reduction in inlet total organic compounds (TOC) levels rather than 80 mg/l of gasoline loaded.

(f) The annual certification test for gasoline cargo tanks shall consist of the test methods specified in paragraphs (f)(1) or (f)(2) of this section. Affected facilities that are subject to subpart XX of 40 CFR part 60 may elect, after notification to the subpart XX delegated authority, to comply with paragraphs (f)(1) and (2) of this section.

(1) *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 5 minutes. The initial pressure (P_i) for the pressure test shall be 460 millimeters (mm) of water (18 inches of water), gauge. The initial vacuum (V_i) for the vacuum test shall be 150 mm of water (6 inches of water), gauge. The maximum allowable pressure and vacuum changes (Δp , Δv) for all affected gasoline cargo tanks is 3 inches of water, or less, in 5 minutes.

(2) *Railcar bubble leak test procedures.* As an alternative to the annual certification test required under paragraph (1) of this section for certification leakage testing of gasoline cargo tanks, the owner or operator may comply with paragraphs (f)(2)(i) and (ii) of this section for railcar cargo tanks, provided the railcar cargo tank meets the requirement in paragraph (f)(2)(iii) of this section.

(i) Comply with the requirements of 49 CFR 173.31(d), 49 CFR 179.7, 49 CFR 180.509, and 49 CFR 180.511 for the periodic testing of railcar cargo tanks.

(ii) The leakage pressure test procedure required under 49 CFR 180.509(j) and used to show no indication of leakage under 49 CFR 180.511(f) shall be ASTM E 515-95, BS EN 1593:1999, or another bubble leak test procedure meeting the requirements in 49 CFR 179.7, 49 CFR 180.505, and 49 CFR 180.509.

(iii) The alternative requirements in this paragraph (f)(2) may not be used for any railcar cargo tank that collects gasoline vapors from a vapor balance system and the system complies with a Federal, State, local, or tribal rule or permit. A vapor balance system is a piping and collection system designed to collect gasoline vapors displaced from a storage vessel, barge, or other container being loaded, and routes the displaced gasoline vapors into the railcar cargo tank from which liquid gasoline is being unloaded.

(g) *Conduct of performance tests.* Performance tests conducted for this subpart shall be conducted under such conditions as the Administrator specifies to the owner or operator, based on representative performance (*i.e.*, performance based on normal operating conditions) of the affected source. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

[73 FR 1933, Jan. 10, 2008 as amended at 73 FR 12276, Mar. 7, 2008; 76 FR 4177, Jan. 24, 2011]

[↑ Back to Top](#)

Notifications, Records, and Reports

[↑ Back to Top](#)

§ 63.11093 What notifications must I submit and when?

(a) Each owner or operator of an affected source under this subpart must submit an Initial Notification as specified in § 63.9(b). If your facility is in compliance with the requirements of this subpart at the time the Initial Notification is due, the Notification of Compliance Status required under paragraph (b) of this section may be submitted in lieu of the Initial Notification.

(b) Each owner or operator of an affected source under this subpart must submit a Notification of Compliance Status as specified in § 63.9(h). The Notification of Compliance Status must specify which of the compliance options included in Table 1 to this subpart is used to comply with this subpart.

(c) Each owner or operator of an affected bulk gasoline terminal under this subpart must 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).

(d) Each owner or operator of any affected source under this subpart must submit additional notifications specified in § 63.9, as applicable.

[↑ Back to Top](#)

§ 63.11094 What are my recordkeeping requirements?

(a) Each owner or operator of a bulk gasoline terminal or pipeline breakout station whose storage vessels are subject to the provisions of this subpart shall keep records as specified in § 60.115b of this chapter if you are complying with options 2(a), 2(b), or 2(c) in Table 1 to this subpart, except records shall be kept for at least 5 years. If you are complying with the requirements of option 2(d) in Table 1 to this subpart, you shall keep records as specified in § 63.1065.

(b) Each owner or operator of a bulk gasoline terminal subject to the provisions of this subpart shall keep records of the test results for each gasoline cargo tank loading at the facility as specified in paragraphs (b)(1) through (3) of this section.

(1) Annual certification testing performed under § 63.11092(f)(1) and periodic railcar bubble leak testing performed under § 63.11092(f)(2).

(2) The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information:

(i) *Name of test:* Annual Certification Test—Method 27 or Periodic Railcar Bubble Leak Test Procedure.

(ii) Cargo tank owner's name and address.

(iii) Cargo tank identification number.

(iv) Test location and date.

(v) Tester name and signature.

(vi) *Witnessing inspector, if any:* Name, signature, and affiliation.

(vii) *Vapor tightness repair:* Nature of repair work and when performed in relation to vapor tightness testing.

(viii) *Test results:* Test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition.

(3) If you are complying with the alternative requirements in § 63.11088(b), you must keep records documenting that you have verified the vapor tightness testing according to the requirements of the Administrator.

(c) As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in paragraph (b) of this section, an owner or operator may comply with the requirements in either paragraph (c)(1) or paragraph (c)(2) of this section.

(1) An electronic copy of each record is instantly available at the terminal.

(i) The copy of each record in paragraph (c)(1) of this section is an exact duplicate image of the original paper record with certifying signatures.

(ii) The Administrator is notified in writing that each terminal using this alternative is in compliance with paragraph (c)(1) of this section.

(2) For facilities that use a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by the Administrator's delegated representatives during the course of a site visit, or within a mutually agreeable time frame.

(i) The copy of each record in paragraph (c)(2) of this section is an exact duplicate image of the original paper record with certifying signatures.

(ii) The Administrator is notified in writing that each terminal using this alternative is in compliance with paragraph (c)(2) of this section.

(d) Each owner or operator subject to the equipment leak provisions of § 63.11089 shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under § 63.11089, the record shall contain a full description of the program.

(e) Each owner or operator of an affected source subject to equipment leak inspections under § 63.11089 shall record in the log book for each leak that is detected the information specified in paragraphs (e)(1) through (7) of this section.

(1) The equipment type and identification number.

(2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell).

(3) The date the leak was detected and the date of each attempt to repair the leak.

(4) Repair methods applied in each attempt to repair the leak.

(5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak.

(6) The expected date of successful repair of the leak if the leak is not repaired within 15 days.

(7) The date of successful repair of the leak.

(f) Each owner or operator of a bulk gasoline terminal subject to the provisions of this subpart shall:

(1) Keep an up-to-date, readily accessible record of the continuous monitoring data required under § 63.11092(b) or § 63.11092(e). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record.

(2) Record and report simultaneously with the Notification of Compliance Status required under § 63.11093(b):

(i) All data and calculations, engineering assessments, and manufacturer's recommendations used in determining the operating parameter value under § 63.11092(b) or § 63.11092(e); and

(ii) The following information when using a flare under provisions of § 63.11(b) to comply with § 63.11087(a):

(A) Flare design (i.e., steam-assisted, air-assisted, or non-assisted); and

- (B) All visible emissions (VE) readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the compliance determination required under § 63.11092(e)(3).
- (3) Keep an up-to-date, readily accessible copy of the monitoring and inspection plan required under § 63.11092(b)(1)(i)(B)(2) or § 63.11092(b)(1)(iii)(B)(2).
- (4) Keep an up-to-date, readily accessible record of all system malfunctions, as specified in § 63.11092(b)(1)(i)(B)(2)(v) or § 63.11092(b)(1)(iii)(B)(2)(v).
- (5) If an owner or operator requests approval to use a vapor processing system or monitor an operating parameter other than those specified in § 63.11092(b), the owner or operator shall submit a description of planned reporting and recordkeeping procedures.
- (g) Each owner or operator of an affected source under this subpart shall keep records as specified in paragraphs (g)(1) and (2) of this section.
- (1) Records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.
- (2) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 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.

[73 FR 1933, Jan. 10, 2008, as amended at 76 FR 4178, Jan. 24, 2011]

[↑ Back to Top](#)

§ 63.11095 What are my reporting requirements?

- (a) Each owner or operator of a bulk terminal or a pipeline breakout station subject to the control requirements of this subpart shall include in a semiannual compliance report to the Administrator the following information, as applicable:
- (1) For storage vessels, if you are complying with options 2(a), 2(b), or 2(c) in Table 1 to this subpart, the information specified in § 60.115b(a), § 60.115b(b), or § 60.115b(c) of this chapter, depending upon the control equipment installed, or, if you are complying with option 2(d) in Table 1 to this subpart, the information specified in § 63.1066.
- (2) For loading racks, each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility.
- (3) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection.
- (4) 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.
- (b) Each owner or operator of an affected source subject to the control requirements of this subpart shall submit an excess emissions report to the Administrator at the time the semiannual compliance report is submitted. Excess emissions events under this subpart, and the information to be included in the excess emissions report, are specified in paragraphs (b)(1) through (5) of this section.

(1) Each instance of a non-vapor-tight gasoline cargo tank loading at the facility in which the owner or operator failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained.

(2) Each reloading of a non-vapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with § 63.11094(b).

(3) 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.

(4) Each instance in which malfunctions discovered during the monitoring and inspections required under § 63.11092(b)(1)(i)(B)(2) and (b)(1)(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.

(5) For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection:

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

(ii) The date of each attempt to repair the leak;

(iii) The reasons for the delay of repair; and

(iv) The date of successful repair.

(c) Each owner or operator of a bulk gasoline plant or a pipeline pumping station shall submit a semiannual excess emissions report, including the information specified in paragraphs (a)(3) and (b)(5) of this section, only for a 6-month period during which an excess emission event has occurred. If no excess emission events have occurred during the previous 6-month period, no report is required.

(d) Each owner or operator of an affected source under this subpart shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator 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 semiannual compliance report, if one is required. Owners or operators of affected bulk plants and pipeline pumping stations are not required to submit reports for periods during which no malfunctions occurred.

[73 FR 1933, Jan. 10, 2008 as amended at 73 FR 12276, Mar. 7, 2008; 76 FR 4178, Jan. 24, 2011]

[↑ Back to Top](#)

Other Requirements and Information

[↑ Back to Top](#)

§ 63.11098 What parts of the General Provisions apply to me?

Table 3 to this subpart shows which parts of the General Provisions apply to you.

[↑ Back to Top](#)

§ 63.11099 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by the U.S. EPA or a delegated authority such as the applicable State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to a State, local, or tribal agency, then that agency, in addition to the U.S. EPA, has the authority to implement and enforce this subpart. Contact the applicable U.S. EPA Regional Office to find out if implementation and enforcement of this subpart is delegated to a State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under subpart E of this part, the authorities specified in paragraph (c) of this section are retained by the Administrator of U.S. EPA and cannot be transferred to the State, local, or tribal agency.

(c) The authorities that cannot be delegated to State, local, or tribal agencies are as specified in paragraphs (c)(1) through (4) of this section.

(1) Approval of alternatives to the requirements in §§ 63.11086 through 63.11088 and § 63.11092. Any owner or operator requesting to use an alternative means of emission limitation for storage vessels in Table 1 to this subpart must follow either the provisions in § 60.114b of this chapter if you are complying with options 2(a), 2(b), or 2(c) in Table 1 to this subpart, or the provisions in § 63.1064 if you are complying with option 2(d) in Table 1 to this subpart.

(2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f), as defined in § 63.90, and as required in this subpart.

(3) Approval of major alternatives to monitoring under § 63.8(f), as defined in § 63.90, and as required in this subpart.

(4) Approval of major alternatives to recordkeeping and reporting under § 63.10(f), as defined in § 63.90, and as required in this subpart.

[↑ Back to Top](#)

§ 63.11100 What definitions apply to this subpart?

As used in this subpart, all terms not defined herein shall have the meaning given them in the Clean Air Act (CAA), in subparts A, K, Ka, Kb, and XX of part 60 of this chapter, or in subparts A, R, and WW of this part. All terms defined in both subpart A of part 60 of this chapter and subparts A, R, and WW of this part shall have the meaning given in subparts A, R, and WW of this part. For purposes of this subpart, definitions in this section supersede definitions in other parts or subparts.

Administrator means the Administrator of the United States Environmental Protection Agency or his or her authorized representative (e.g., a State that has been delegated the authority to implement the provisions of this subpart).

Bulk gasoline plant means any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, or cargo tank, and subsequently loads the gasoline into gasoline cargo tanks for transport to gasoline dispensing facilities, and has a gasoline throughput of less than 20,000 gallons per day.

Gasoline throughput shall be the maximum calculated design throughput as may be limited by compliance with an enforceable condition under Federal, State, or local law, and discoverable by the Administrator and any other person.

Bulk gasoline terminal means any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, or cargo tank and has a gasoline throughput of 20,000 gallons per day or greater.

Gasoline throughput shall be the maximum calculated design throughput as may be limited by compliance with an enforceable condition under Federal, State, or local law and discoverable by the Administrator and any other person.

Equipment means each valve, pump, pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in the gasoline liquid transfer and vapor collection systems. This definition also includes the entire vapor processing system except the exhaust port(s) or stack(s).

Flare means a thermal oxidation system using an open (without enclosure) flame.

Gasoline means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kilopascals or greater, which is used as a fuel for internal combustion engines.

Gasoline cargo tank means a delivery tank truck or railcar which is loading gasoline or which has loaded gasoline on the immediately previous load.

Gasoline storage tank or vessel means each tank, vessel, reservoir, or container used for the storage of gasoline, but does not include:

- (1) Frames, housing, auxiliary supports, or other components that are not directly involved in the containment of gasoline or gasoline vapors;
- (2) Subsurface caverns or porous rock reservoirs;
- (3) Oil/water separators and sumps, including butane blending sample recovery tanks, used to collect drained material such that it can be pumped to storage or back into a process; or
- (4) Tanks or vessels permanently attached to mobile sources such as trucks, railcars, barges, or ships.

In gasoline service means that a piece of equipment is used in a system that transfers gasoline or gasoline vapors.

Monthly means once per calendar month at regular intervals of no less than 28 days and no more than 35 days.

Operating parameter value means a value for an operating or emission parameter of the vapor processing system (e.g., temperature) which, if maintained continuously by itself or in combination with one or more other operating parameter values, determines that an owner or operator has complied with the applicable emission standard. The operating parameter value is determined using the procedures specified in § 63.11092(b).

Pipeline breakout station means a facility along a pipeline containing storage vessels used to relieve surges or receive and store gasoline from the pipeline for re-injection and continued transportation by pipeline or to other facilities.

Pipeline pumping station means a facility along a pipeline containing pumps to maintain the desired pressure and flow of product through the pipeline, and not containing gasoline storage tanks other than surge control tanks.

Submerged filling means, for the purposes of this subpart, the filling of a gasoline cargo tank or a stationary storage tank through a submerged fill pipe whose discharge is no more than the applicable distance specified in § 63.11086(a) from the bottom of the tank. Bottom filling of gasoline cargo tanks or storage tanks is included in this definition.

Surge control tank or vessel means, for the purposes of this subpart, those tanks or vessels used only for controlling pressure in a pipeline system during surges or other variations from normal operations.

Vapor collection-equipped gasoline cargo tank means a gasoline cargo tank that is outfitted with the equipment necessary to transfer vapors, displaced during the loading of gasoline into the cargo tank, to a vapor processor system.

Vapor-tight gasoline cargo tank means a gasoline cargo tank which has demonstrated within the 12 preceding months that it meets the annual certification test requirements in § 63.11092(f).

[73 FR 1933, Jan. 10, 2008, as amended at 76 FR 4178, Jan. 24, 2011]

[↑ Back to Top](#)

Table 1 to Subpart BBBBB of Part 63—Applicability Criteria, Emission Limits, and Management Practices for Storage Tanks

If you own or operate . . .	Then you must . . .
1. A gasoline storage tank meeting either of the following conditions: (i) a capacity of less than 75 cubic meters (m ³); or (ii) a capacity of less than 151 m ³ and a gasoline throughput of 480 gallons per day or less. Gallons per day is calculated by summing the current day's throughput, plus the throughput for the previous 364 days, and then dividing that sum by 365	Equip each gasoline storage tank with a fixed roof that is mounted to the storage tank in a stationary manner, and maintain all openings in a closed position at all times when not in use.
2. A gasoline storage tank with a capacity of greater than or equal to 75 m ³ and not meeting any of the criteria specified in item 1 of this Table	Do the following: (a) Reduce emissions of total organic HAP or TOC by 95 weight-percent with a closed vent system and control device, as specified in § 60.112b(a)(3) of this chapter; or
	(b) Equip each internal floating roof gasoline storage tank according to the requirements in § 60.112b(a)(1) of this chapter, except for the secondary seal requirements under § 60.112b(a)(1)(ii)(B) and the requirements in § 60.112b(a)(1)(iv) through (ix) of this chapter; and
	(c) Equip each external floating roof gasoline storage tank according to the requirements in § 60.112b(a)(2) of this chapter, except that the requirements of § 60.112b(a)(2)(ii) of this chapter shall only be required if such storage tank does not currently meet the requirements of § 60.112b(a)(2)(i) of this chapter; or
	(d) Equip and operate each internal and external 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), and equip each external floating roof gasoline storage tank according to the requirements of § 63.1063(a)(2) if such storage tank does not currently meet the requirements of § 63.1063(a)(1).
3. A surge control tank	Equip each tank with a fixed roof that is mounted to the tank in a stationary manner and with a pressure/vacuum vent with a positive cracking pressure of no less than 0.50 inches of water. Maintain all openings in a closed position at all times when not in use.

[76 FR 4179, Jan. 24, 2011]

[↑ Back to Top](#)

Table 2 to Subpart BBBBBB of Part 63—Applicability Criteria, Emission Limits, and Management Practices for Loading Racks

If you own or operate . . .	Then you must . . .
<p>1. A bulk gasoline terminal loading rack(s) with a gasoline throughput (total of all racks) of 250,000 gallons per day, or greater. Gallons per day is calculated by summing the current day's throughput, plus the throughput for the previous 364 days, and then dividing that sum by 365</p>	<p>(a) Equip your loading rack(s) with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading; and (b) Reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into gasoline cargo tanks at the loading rack; and (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) of this chapter. For the purposes of this section, the term "tank truck" as used in § 60.502(e) through (j) of this chapter means "cargo tank" as defined in § 63.11100.</p>
<p>2. A bulk gasoline terminal loading rack(s) with a gasoline throughput (total of all racks) of less than 250,000 gallons per day. Gallons per day is calculated by summing the current day's throughput, plus the throughput for the previous 364 days, and then dividing that sum by 365</p>	<p>(a) Use submerged filling with a submerged fill pipe that is no more than 6 inches from the bottom of the cargo tank; and (b) Make records available within 24 hours of a request by the Administrator to document your gasoline throughput.</p>

[76 FR 4179, Jan. 24, 2011]

[↑ Back to Top](#)

Table 3 to Subpart BBBBBB of Part 63—Applicability of General Provisions

Citation	Subject	Brief description	Applies to subpart BBBBBB
§ 63.1	Applicability	Initial applicability determination; applicability after standard established; permit requirements; extensions, notifications	Yes, specific requirements given in § 63.11081.
§ 63.1(c)(2)	Title V permit	Requirements for obtaining a title V permit from the applicable permitting authority	Yes, § 63.11081(b) of subpart BBBBBB exempts identified area sources from the obligation to obtain title V operating permits.
§ 63.2	Definitions	Definitions for part 63 standards	Yes, additional definitions in § 63.11100.
§ 63.3	Units and Abbreviations	Units and abbreviations for part 63 standards	Yes.
§ 63.4	Prohibited Activities and Circumvention	Prohibited activities; circumvention, severability	Yes.

§ 63.5	Construction/Reconstruction	Applicability; applications; approvals	Yes.
§ 63.6(a)	Compliance with Standards/Operation & Maintenance Applicability	General Provisions apply unless compliance extension; General Provisions apply to area sources that become major	Yes.
§ 63.6(b)(1)-(4)	Compliance Dates for New and Reconstructed Sources	Standards apply at effective date; 3 years after effective date; upon startup; 10 years after construction or reconstruction commences for CAA section 112(f)	Yes.
§ 63.6(b)(5)	Notification	Must notify if commenced construction or reconstruction after proposal	Yes.
§ 63.6(b)(6)	[Reserved]		
§ 63.6(b)(7)	Compliance Dates for New and Reconstructed Area Sources that Become Major	Area sources that become major must comply with major source standards immediately upon becoming major, regardless of whether required to comply when they were an area source	No.
§ 63.6(c)(1)-(2)	Compliance Dates for Existing Sources	Comply according to date in this subpart, which must be no later than 3 years after effective date; for CAA section 112(f) standards, comply within 90 days of effective date unless compliance extension	No, § 63.11083 specifies the compliance dates.
§ 63.6(c)(3)-(4)	[Reserved]		
§ 63.6(c)(5)	Compliance Dates for Existing Area Sources that Become Major	Area sources that become major must comply with major source standards by date indicated in this subpart or by equivalent time period (e.g., 3 years)	No.
§ 63.6(d)	[Reserved]		
63.6(e)(1)(i)	General duty to minimize emissions	Operate to minimize emissions at all times; information Administrator will use to determine if operation and maintenance requirements were met	No. See § 63.11085 for general duty requirement.
63.6(e)(1)(ii)	Requirement to correct malfunctions as soon as possible	Owner or operator must correct malfunctions as soon as possible	No.
§ 63.6(e)(2)	[Reserved]		
§ 63.6(e)(3)	Startup, Shutdown, and Malfunction (SSM) plan	Requirement for SSM plan; content of SSM plan; actions during SSM	No.
§ 63.6(f)(1)	Compliance Except During SSM	You must comply with emission standards at all times except during SSM	No.
§ 63.6(f)(2)-(3)	Methods for Determining Compliance	Compliance based on performance test, operation and maintenance plans, records, inspection	Yes.
§ 63.6(g)(1)-(3)	Alternative Standard	Procedures for getting an alternative	Yes.

		standard	
§ 63.6(h)(1)	Compliance with Opacity/VE Standards	You must comply with opacity/VE standards at all times except during SSM	No.
§ 63.6(h)(2)(i)	Determining Compliance with Opacity/VE Standards	If standard does not State test method, use EPA Method 9 for opacity in appendix A of part 60 of this chapter and EPA Method 22 for VE in appendix A of part 60 of this chapter	No.
§ 63.6(h)(2)(ii)	[Reserved]		
§ 63.6(h)(2)(iii)	Using Previous Tests to Demonstrate Compliance with Opacity/VE Standards	Criteria for when previous opacity/VE testing can be used to show compliance with this subpart	No.
§ 63.6(h)(3)	[Reserved]		
§ 63.6(h)(4)	Notification of Opacity/VE Observation Date	Must notify Administrator of anticipated date of observation	No.
§ 63.6(h)(5)(i), (iii)-(v)	Conducting Opacity/VE Observations	Dates and schedule for conducting opacity/VE observations	No.
§ 63.6(h)(5)(ii)	Opacity Test Duration and Averaging Times	Must have at least 3 hours of observation with 30 6-minute averages	No.
§ 63.6(h)(6)	Records of Conditions During Opacity/VE Observations	Must keep records available and allow Administrator to inspect	No.
§ 63.6(h)(7)(i)	Report Continuous Opacity Monitoring System (COMS) Monitoring Data from Performance Test	Must submit COMS data with other performance test data	No.
§ 63.6(h)(7)(ii)	Using COMS Instead of EPA Method 9	Can submit COMS data instead of EPA Method 9 results even if rule requires EPA Method 9 in appendix A of part 60 of this chapter, but must notify Administrator before performance test	No.
§ 63.6(h)(7)(iii)	Averaging Time for COMS During Performance Test	To determine compliance, must reduce COMS data to 6-minute averages	No.
§ 63.6(h)(7)(iv)	COMS Requirements	Owner/operator must demonstrate that COMS performance evaluations are conducted according to § 63.8(e); COMS are properly maintained and operated according to § 63.8(c) and data quality as § 63.8(d)	No.
§ 63.6(h)(7)(v)	Determining Compliance with Opacity/VE Standards	COMS is probable but not conclusive evidence of compliance with opacity standard, even if EPA Method 9 observation shows otherwise. Requirements for COMS to be probable evidence-proper maintenance, meeting Performance Specification 1 in appendix B of part	No.

		60 of this chapter, and data have not been altered	
§ 63.6(h)(8)	Determining Compliance with Opacity/VE Standards	Administrator will use all COMS, EPA Method 9 (in appendix A of part 60 of this chapter), and EPA Method 22 (in appendix A of part 60 of this chapter) results, as well as information about operation and maintenance to determine compliance	No.
§ 63.6(h)(9)	Adjusted Opacity Standard	Procedures for Administrator to adjust an opacity standard	No.
§ 63.6(i)(1)-(14)	Compliance Extension	Procedures and criteria for Administrator to grant compliance extension	Yes.
§ 63.6(j)	Presidential Compliance Exemption	President may exempt any source from requirement to comply with this subpart	Yes.
§ 63.7(a)(2)	Performance Test Dates	Dates for conducting initial performance testing; must conduct 180 days after compliance date	Yes.
§ 63.7(a)(3)	Section 114 Authority	Administrator may require a performance test under CAA section 114 at any time	Yes.
§ 63.7(b)(1)	Notification of Performance Test	Must notify Administrator 60 days before the test	Yes.
§ 63.7(b)(2)	Notification of Re-scheduling	If have to reschedule performance test, must notify Administrator of rescheduled date as soon as practicable and without delay	Yes.
§ 63.7(c)	Quality Assurance (QA)/Test Plan	Requirement to submit site-specific test plan 60 days before the test or on date Administrator agrees with; test plan approval procedures; performance audit requirements; internal and external QA procedures for testing	Yes.
§ 63.7(d)	Testing Facilities	Requirements for testing facilities	Yes.
63.7(e)(1)	Conditions for Conducting Performance Tests	Performance test must be conducted under representative conditions	No, § 63.11092(g) specifies conditions for conducting performance tests.
§ 63.7(e)(2)	Conditions for Conducting Performance Tests	Must conduct according to this subpart and EPA test methods unless Administrator approves alternative	Yes.
§ 63.7(e)(3)	Test Run Duration	Must have three test runs of at least 1 hour each; compliance is based on arithmetic mean of three runs; conditions when data from an additional test run can be used	Yes, except for testing conducted under § 63.11092(a).

§ 63.7(f)	Alternative Test Method	Procedures by which Administrator can grant approval to use an intermediate or major change, or alternative to a test method	Yes.
§ 63.7(g)	Performance Test Data Analysis	Must include raw data in performance test report; must submit performance test data 60 days after end of test with the notification of compliance status; keep data for 5 years	Yes.
§ 63.7(h)	Waiver of Tests	Procedures for Administrator to waive performance test	Yes.
§ 63.8(a)(1)	Applicability of Monitoring Requirements	Subject to all monitoring requirements in standard	Yes.
§ 63.8(a)(2)	Performance Specifications	Performance specifications in appendix B of 40 CFR part 60 apply	Yes.
§ 63.8(a)(3)	[Reserved]		
§ 63.8(a)(4)	Monitoring of Flares	Monitoring requirements for flares in § 63.11 apply	Yes.
§ 63.8(b)(1)	Monitoring	Must conduct monitoring according to standard unless Administrator approves alternative	Yes.
§ 63.8(b)(2)-(3)	Multiple Effluents and Multiple Monitoring Systems	Specific requirements for installing monitoring systems; must install on each affected source or after combined with another affected source before it is released to the atmosphere provided the monitoring is sufficient to demonstrate compliance with the standard; if more than one monitoring system on an emission point, must report all monitoring system results, unless one monitoring system is a backup	Yes.
§ 63.8(c)(1)	Monitoring System Operation and Maintenance	Maintain monitoring system in a manner consistent with good air pollution control practices	Yes.
§ 63.8(c)(1)(i)	Operation and Maintenance of CMS	Must maintain and operate each CMS as specified in § 63.6(e)(1)	No.
§ 63.8(c)(1)(ii)	Operation and Maintenance of CMS	Must keep parts for routine repairs readily available	Yes.
§ 63.8(c)(1)(iii)	Operation and Maintenance of CMS	Requirement to develop SSM Plan for CMS	No.
§ 63.8(c) (2)-(8)	CMS Requirements	Must install to get representative emission or parameter measurements; must verify operational status before or at performance test	Yes.
§ 63.8(d)	CMS Quality Control	Requirements for CMS quality control, including calibration, etc.; must keep quality control plan on record for 5	No.

		years; keep old versions for 5 years after revisions	
§ 63.8(e)	CMS Performance Evaluation	Notification, performance evaluation test plan, reports	Yes.
§ 63.8(f) (1)-(5)	Alternative Monitoring Method	Procedures for Administrator to approve alternative monitoring	Yes.
§ 63.8(f)(6)	Alternative to Relative Accuracy Test	Procedures for Administrator to approve alternative relative accuracy tests for CEMS	Yes.
§ 63.8(g)	Data Reduction	COMS 6-minute averages calculated over at least 36 evenly spaced data points; CEMS 1 hour averages computed over at least 4 equally spaced data points; data that cannot be used in average	Yes.
§ 63.9(a)	Notification Requirements	Applicability and State delegation	Yes.
§ 63.9(b) (1)-(2), (4)-(5)	Initial Notifications	Submit notification within 120 days after effective date; notification of intent to construct/reconstruct, notification of commencement of construction/reconstruction, notification of startup; contents of each	Yes.
§ 63.9(c)	Request for Compliance Extension	Can request if cannot comply by date or if installed best available control technology or lowest achievable emission rate	Yes.
§ 63.9(d)	Notification of Special Compliance Requirements for New Sources	For sources that commence construction between proposal and promulgation and want to comply 3 years after effective date	Yes.
§ 63.9(e)	Notification of Performance Test	Notify Administrator 60 days prior	Yes.
§ 63.9(f)	Notification of VE/Opacity Test	Notify Administrator 30 days prior	No.
§ 63.9(g)	Additional Notifications When Using CMS	Notification of performance evaluation; notification about use of COMS data; notification that exceeded criterion for relative accuracy alternative	Yes, however, there are no opacity standards.
§ 63.9(h)(1)-(6)	Notification of Compliance Status	Contents due 60 days after end of performance test or other compliance demonstration, except for opacity/VE, which are due 30 days after; when to submit to Federal vs. State authority	Yes, except as specified in § 63.11095(a)(4); also, there are no opacity standards.
§ 63.9(i)	Adjustment of Submittal Deadlines	Procedures for Administrator to approve change when notifications must be submitted	Yes.
§ 63.9(j)	Change in Previous Information	Must submit within 15 days after the change	Yes.
§ 63.10(a)	Record-keeping/Reporting	Applies to all, unless compliance extension; when to submit to Federal	Yes.

		vs. State authority; procedures for owners of more than one source	
§ 63.10(b)(1)	Record-keeping/Reporting	General requirements; keep all records readily available; keep for 5 years	Yes.
§ 63.10(b)(2)(i)	Records related to SSM	Recordkeeping of occurrence and duration of startups and shutdowns	No.
§ 63.10(b)(2)(ii)	Records related to SSM	Recordkeeping of malfunctions	No. See § 63.11094(g) for recordkeeping of (1) occurrence and duration and (2) actions taken during malfunction.
§ 63.10(b)(2)(iii)	Maintenance records	Recordkeeping of maintenance on air pollution control and monitoring equipment	Yes.
§ 63.10(b)(2)(iv)	Records Related to SSM	Actions taken to minimize emissions during SSM	No.
§ 63.10(b)(2)(v)	Records Related to SSM	Actions taken to minimize emissions during SSM	No.
§ 63.10(b)(2)(vi)-(xi)	CMS Records	Malfunctions, inoperative, out-of-control periods	Yes.
§ 63.10(b)(2)(xii)	Records	Records when under waiver	Yes.
§ 63.10(b)(2)(xiii)	Records	Records when using alternative to relative accuracy test	Yes.
§ 63.10(b)(2)(xiv)	Records	All documentation supporting initial notification and notification of compliance status	Yes.
§ 63.10(b)(3)	Records	Applicability determinations	Yes.
§ 63.10(c)	Records	Additional records for CMS	No.
§ 63.10(d)(1)	General Reporting Requirements	Requirement to report	Yes.
§ 63.10(d)(2)	Report of Performance Test Results	When to submit to Federal or State authority	Yes.
§ 63.10(d)(3)	Reporting Opacity or VE Observations	What to report and when	No.
§ 63.10(d)(4)	Progress Reports	Must submit progress reports on schedule if under compliance extension	Yes.
§ 63.10(d)(5)	SSM Reports	Contents and submission	No. See § 63.11095(d) for malfunction reporting requirements.

§ 63.10(e)(1)-(2)	Additional CMS Reports	Must report results for each CEMS on a unit; written copy of CMS performance evaluation; 2-3 copies of COMS performance evaluation	No.
§ 63.10(e)(3)(i)-(iii)	Reports	Schedule for reporting excess emissions	Yes, note that § 63.11095 specifies excess emission events for this subpart.
§ 63.10(e)(3)(iv)-(v)	Excess Emissions Reports	Requirement to revert to quarterly submission if there is an excess emissions and parameter monitor exceedances (now defined as deviations); provision to request semiannual reporting after compliance for 1 year; submit report by 30th day following end of quarter or calendar half; if there has not been an exceedance or excess emissions (now defined as deviations), report contents in a statement that there have been no deviations; must submit report containing all of the information in §§ 63.8(c)(7)-(8) and 63.10(c)(5)-(13)	Yes, § 63.11095 specifies excess emission events for this subpart.
§ 63.10(e)(3)(vi)-(viii)	Excess Emissions Report and Summary Report	Requirements for reporting excess emissions for CMS; requires all of the information in §§ 63.8(c)(7)-(8) and 63.10(c)(5)-(13)	Yes.
§ 63.10(e)(4)	Reporting COMS Data	Must submit COMS data with performance test data	Yes.
§ 63.10(f)	Waiver for Recordkeeping/Reporting	Procedures for Administrator to waive	Yes.
§ 63.11(b)	Flares	Requirements for flares	Yes, the section references § 63.11(b).
§ 63.12	Delegation	State authority to enforce standards	Yes.
§ 63.13	Addresses	Addresses where reports, notifications, and requests are sent	Yes.
§ 63.14	Incorporations by Reference	Test methods incorporated by reference	Yes.
§ 63.15	Availability of Information	Public and confidential information	Yes.

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