DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Activity No.: PER19960003
Agency Interest No.: 3116

Mr. John Hill
Vice President/General Manager
Valero Refining Company – Louisiana
P. O. Box 453
Krotz Springs, LA 70750-0453

RE: Part 70 Operating Permit, Krotz Springs Refinery, Valero Refining Company – Louisiana, Krotz Springs, St. Landry Parish, Louisiana

Dear Mr. Hill:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2600-00003-V0

public Notice

ENVIRONMENTAL **SERVICES**
: PO BOX 4313, BATON ROUGE, LA 70821-4313
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AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Krotz Springs Refinery
Agency Interest No.: 3116
Valero Refining Company – Louisiana
Krotz Springs, St. Landry Parish, Louisiana

I. Background

Valero Refining Company-Louisiana (Valero), a division of Valero Energy Corporation, owns and operates a petroleum refinery (Krotz Springs Refinery) located on Highway 105 South near Krotz Springs, in St. Landry Parish, Louisiana. The facility was first permitted in 1977. Currently, the Krotz Springs Refinery is operating under the following permits:

PSD-LA-140	issued 08/07/1979
PSD-LA-278a	issued 02/13/1980
PSD-LA-286aM-1	issued 04/05/1982
PSD-LA-232	issued 01/08/1980
PSD-LA-373	issued 04/05/1982
PSD-LA-504	issued 01/03/1984
2600-00003-05	issued 04/09/1996
2549	issued 06/22/1998
2505 (M-1)	issued 01/07/2002
2890	issued 10/20/2004

Permit 2600-00003-05 was amended on August 9, 1996 and August 27, 1998. Terms and conditions of above permits are incorporated into this Part 70 operating permit.

II. Origin

A permit application and Emission Inventory Questionnaire dated October 1, 1996 were submitted requesting a Part 70 operating permit. The application was subsequently revised in July 2002 and November 2005. Additional information dated November 30, 2005 and January 12, February 7, March 7, and April 21, 2006 was also received.

III. Description

The Krotz Springs Refinery consists of a crude unit, a vacuum unit, a fluidized catalytic cracking (FCC) unit, a naphtha hydrotreater-reformer, a polymerization unit, an octenes/crude mineral spirits unit, a methyl ter-butyl ether (MTBE) unit, an isomerization unit, an ammonium thiosulfate (ATS) unit, a light ends recovery unit, and a gasoline desulfuriztion unit. Support facilities include steam boilers, docks, truck and railcar loading/unloading facilities, a wastewater treatment plant, and storage tanks.

Piping, boilers, pumps, dryers, tanks, and other equipment are utilized in the processes. Raw materials are received at the facility via barges, trucks, and pipelines. Finished products are shipped from the facility by pipelines, trucks, railcars, and barges.

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Valero proposes to construct and operate a new light-ends recovery unit (LRU) – a 3-MM scfd cryogenic off-gas processing facility. The LRU will consist of inlet gas compression and aftercooling, dehydration, sulfur treating, cryogenic liquids recovery, and a de-ethanizer tower. The unit will process gas streams from the Isom Unit, Reformer Stabilizer, Crude Stabilizer, and Reformer Amine Tower. Overheads from the de-ethanizer tower and off-gas from the refrigeration will be routed to the facility fuel gas system. Deethanizer tower bottoms will be Proxim grade liquid petroleum gas (LPG). Estimated emission increases due to the project are 6.48 tons per year VOC and less than 0.01 ton per year CO.

Potential emissions for each source has been recalculated based on the newly available emission factors, process data, analytical data, and stack testing results. Estimated emissions from the Krotz Springs Refinery in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	102.38	196.26	+ 93.88
SO_2	1,025.48	1,046.28	+ 20.80
NO_X	729.17	728.37	- 0.80
CO	434.88	637.47	+ 202.59
VOC	1,160.04	1,202.96	+ 42.92

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Emission Rate (TPY)
1,3-Butadiene	0.26
2,2,4-Trimethylpentane	0.54
Benzene	11.78
Cumene	0.35
Ethyl benzene	3.70
Formaldehyde	1.39
Methanol	12.59
Methyl Tertiary Butyl Ether	15.16
n-Hexane	15.42
Naphthalene	0.44
Polynuclear Aromatic Hydrocarbons	1.16
Toluene	16.03
Xylene (mixed isomers)	20.67
Total	99.49

Other VOC (TPY): 1,103.47

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **<date>**, 2006; and in the <local paper>, <local town>, on **<date>**, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **<date>**. The draft permit was also submitted to US EPA Region VI on **<date>**. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3 (SCREEN)

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
PM_{10}	Annual Average	20 $\mu g/m^3$	(50 $\mu g/m^3$)
	24-hour Average	115.53 $\mu g/m^3$	(150 $\mu g/m^3$)

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates – tons/year
Complex I Process Unit Sampling	32,500 times/year	VOC: 4.06
Complex I Draining Compressor Knockout Drums	5,000 times/year	VOC: 1.25
Complex I Draining Sight Glasses, Float Columns, Level Indicators	12,000 times/year	VOC: 0.30
Complex I Bleeding Emergency Shut-off and Vent Valves	100 times/year	VOC: < 0.01
Complex I Replacement or Cleaning of Filters/Dryers	125 times/year	VOC: 0.16
Complex I Replacement of Catalyst in Reformer/Polymerization Reactors	42 times/year	PM_{10}: 0.52; VOC: 0.11
Complex I Prepare for Maintenance Towers /Vessels/Reactors	34 times/year	VOC: 2.84
Complex I Prepare for Maintenance Heaters /Exchangers/Pumps/Compressors/Pipelines	1,200 times/year	VOC: 2.40
Complex I Prepare for Maintenance Valves /Instruments	3,666 times/year	VOC: 0.62
Complex I Opening Towers/Vessels /Reactors/LPG Railcars	67 times/year	VOC: 0.57
Complex I Opening Heaters/Exchangers /Pumps/Compressors Pipelines/Sumps /Junction Boxes/Oil Water Separator	1,167 times/year	VOC: 0.97
Complex I Equipment Cleaning	500 times/year	VOC 0.63
Complex I Heater Decoking	1 time/year	CO: 0.03; VOC: 0.03
Complex II Process Unit Sampling	32,500 times/year	VOC: 4.06
Complex II Draining Compressor Knockout Drums	5,000 times/year	VOC: 1.25
Complex II Draining Sight Glasses, Float Columns, Level Indicators	12,000 times/year	VOC: 0.30

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Work Activity	Schedule	Emission Rates – tons/year
Complex II Bleeding Emergency Shut-off and Vent Valves	100 times/year	VOC: < 0.01
Complex II Replacement or Cleaning of Filters/Dryers	125 times/year	VOC: 0.16
Complex II Replacement of Catalyst in Reformer/Polymerization Reactors	42 times/year	PM_{10}: 0.52; VOC: 0.11
Complex II Solids Loading/Unloading Pneumatic Trucks	80 times/year	PM_{10}: 0.20
Complex II Fresh Catalyst Truck Unloading	105 times/year	PM_{10}: 3.94
Complex II Catalyst Fines Hopper Dumping	105 times/year	PM_{10}: 3.94
Complex II Prepare for Maintenance Towers/Vessels/Reactors	34 times/year	VOC: 2.84
Complex II Prepare for Maintenance Heaters /Exchangers/Pumps/Compressors /Pipelines	1,200 times/year	VOC: 2.40
Complex II Prepare for Maintenance Valves /Instruments	3,666 times/year	VOC: 0.62
Complex II Opening Towers/Vessels /Reactors/LPG Railcars	67 times/year	VOC: 0.57
Complex II Opening Heaters/Exchangers /Pumps/Compressors Pipelines/Sumps /Junction Boxes/Oil Water Separator	1,167 times/year	VOC: 0.97
Complex II Equipment Cleaning	500 times/year	VOC 0.63
Complex II Heater Decoking	1 time/year	CO: 0.03; VOC: 0.03
Complex II FCCU Regenerator Air Heating	1 time/year	PM_{10}: 0.03; SO_2: 0.10; NO_X: 0.69; CO: 0.30; VOC: 0.02
Complex III Tank Sampling and Gauging	15,000 times/year	VOC: 3.75; H_2S: 0.38
Complex III Barge Sampling and Gauging	2,000 times/year	VOC: 0.50: H_2S: 0.05
Complex III Truck Loading/Unloading Line Disconnection	19,000 times/year	VOC: 0.95
Complex III LPG Loading Line Disconnection	11,000 times/year	VOC: 0.55
Complex III Dock Loading/Unloading Loading Arms/Dock Hoses	2,000 times/year	VOC: 0.50
Complex III Prepare for Maintenance Vessels/LPG Railcars	34 times/year	VOC: 2.84
Complex III Prepare for Maintenance Heaters /Exchangers/Pumps/Compressors /Pipelines	900 times/year	VOC: 1.35
Complex III Prepare for Maintenance Valves/Instruments	3,666 times/year	VOC: 0.62
Complex III Opening Towers/Vessels /Reactors/LPG Railcars	67 times/year	VOC: 0.57
Complex III Opening Heaters/Exchangers /Pumps/Compressors Pipelines/Sumps /Junction Boxes/Oil Water Separator	1,167 times/year	VOC: 0.97
Complex III Sludge Removal	1 time/year	VOC: 4.98

IX. Insignificant Activities

ID No.	Description	Citation
20TK202	C2001 Degassing Tank with Heater (12 gal.)	LAC 33:III.501.B.5.A.2
23TK241	Crude SWS Feed Antifoam Chemical Injection Tank (217 gal.)	LAC 33:III.501.B.5.A.2
42TK425	Sponge Oil Anti-Foam Tank (200 gal.)	LAC 33:III.501.B.5.A.2
TK-9909	Bug Press Floc. Tank (170 gal)	LAC 33:III.501.B.5.A.2
20TK201	C2001 Main Oil Reservoir (250 gal.)	LAC 33:III.501.B.5.A.3
20TK204	C2001 New Oil Make-Up Tank (500 gal.)	LAC 33:III.501.B.5.A.3
20TK207	Amine Surge Tank (1,500 gal.)	LAC 33:III.501.B.5.A.3
20TK209	Chemical Injection Tank to Reformer (250 gal.)	LAC 33:III.501.B.5.A.3
23TK230	Dye Additive Tank (6000 gal) (6,000 gal.)	LAC 33:III.501.B.5.A.3
23TK233	Crude O/H Neutralizer (1,000 gal.)	LAC 33:III.501.B.5.A.3
23TK234	Crude O/H Filmer (1,000 gal.)	LAC 33:III.501.B.5.A.3
23TK235	Crude Desalter Emulsion Breaker (3,000 gal.)	LAC 33:III.501.B.5.A.3
23TK237	Crude/Diesel Pounpoint (4,000 gal.)	LAC 33:III.501.B.5.A.3
23YK240	SWS pH Control - Acetic Acid Injection (470 gal.)	LAC 33:III.501.B.5.A.3
35TK701	ATS Day Tank (8,400 gal.)	LAC 33:III.501.B.5.A.3
35TK702	ATS Day Tank (8,400 gal.)	LAC 33:III.501.B.5.A.3
35TK705	Sulfur Storage (27,300 gal.)	LAC 33:III.501.B.5.A.3
35TK706	ATS Segregated Sump (889 gal.)	LAC 33:III.501.B.5.A.3
40TK401	Poly Gasoline Inhibitor Tank (550 gal.)	LAC 33:III.501.B.5.A.3
42TK340	DEA Surge (14,994 gal.))	LAC 33:III.501.B.5.A.3
42TK342	Amine Sump (320 gal.))	LAC 33:III.501.B.5.A.3
42TK421	LCO Color Stabilizer Tank (2,000 gal.)	LAC 33:III.501.B.5.A.3
42TK422	Desalter Emulsion Tank (1,000 gal.)	LAC 33:III.501.B.5.A.3
42TK423	Fresh Amine Storage (2,000 gal.)	LAC 33:III.501.B.5.A.3
42TK426	Lube Oil Storage Tank (400 gal.)	LAC 33:III.501.B.5.A.3
42TK427	Spent Oil Lube Tank (567 gal.)	LAC 33:III.501.B.5.A.3
42TK428V	Nickel Passivator Additive (Vendor Owned) (880 gal.)	LAC 33:III.501.B.5.A.3
42TK429V	Vanadium Passivator Additive (Vender Owned) (400 gal.)	LAC 33:III.501.B.5.A.3
42TK430V	Nalco/Exxon 1000 gal Antifoulant Tank - North (Vendor Owned) (1,000 gal.)	LAC 33:III.501.B.5.A.3
42TK431V	Nalco/Exxon 1000 gal Antifoulant Tank - South (Vendor Owned) (1,000 gal.)	LAC 33:III.501.B.5.A.3
42TK432	Wet Gas Compressor Lube Oil Reservoir (450 gal.)	LAC 33:III.501.B.5.A.3
42TK433	A Air Blower Lube Oil Reservoir (800 gal.)	LAC 33:III.501.B.5.A.3
42TK434	B Air Blower Lube Oil Reservoir (800 gal.)	LAC 33:III.501.B.5.A.3
42TK435	Slurry Antifoulant Tank (2,000 gal.)	LAC 33:III.501.B.5.A.3
42TK436	Desalter Washwater Tank (570 gal.)	LAC 33:III.501.B.5.A.3
42TK437	FCC Desalter Wetting agent (546 gal.)	LAC 33:III.501.B.5.A.3
79TK790	Red Dye to Low Sulfur Diesel Tank (500 gal.)	LAC 33:III.501.B.5.A.3
79TK791	Hill Additive Tank (2,000 gal.)	LAC 33:III.501.B.5.A.3
79TK792	Phillips Additive Tank (500 gal.)	LAC 33:III.501.B.5.A.3
79TK793	Conoco Additive Tank (2,000 gal.)	LAC 33:III.501.B.5.A.3
79TK794	Oronite additive (Chevron) (2,000 gal.)	LAC 33:III.501.B.5.A.3
80TK1421	Spent Caustic Tank (5,250 gal.)	LAC 33:III.501.B.5.A.3
80TK1426	Condensate pH Control (1,000 gal.)	LAC 33:III.501.B.5.A.3

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ID No.	Description	Citation
80TK1427	BFW Oxygen Scavenger (1,000 gal.)	LAC 33:III.501.B.5.A.3
80TK1428	BFW Hardness Dispersant (1,000 gal.)	LAC 33:III.501.B.5.A.3
80TK1429	Cooling Tower Chemicals (1,000 gal.)	LAC 33:III.501.B.5.A.3
80TK1430	Cooling Tower Chemicals (1,350 gal.)	LAC 33:III.501.B.5.A.3
80TK1431	Emergency Cooling Water Diesel Tank (500 gal.)	LAC 33:III.501.B.5.A.3
80TK1432	Emergency Generator Diesel Tank (250 gal.)	LAC 33:III.501.B.5.A.3
80TK1434V	CT Deposit Penetrant Chemical Additive (Vendor Owned) (400 gal.)	LAC 33:III.501.B.5.A.3
80TK825	Spent Caustic Tank (4,468 gal.)	LAC 33:III.501.B.5.A.3
82TK804	BFW Oxygen Scavenger (1,000 gal.)	LAC 33:III.501.B.5.A.3
82TK805	BFW Hardness Dispersant (1,000 gal.)	LAC 33:III.501.B.5.A.3
82TK806	Cooling Tower Chemical - Corrosion Inhibitor (1,350 gal.)	LAC 33:III.501.B.5.A.3
82TK807	Cooling Tower Chemical - Phosphate Dispersant (Conductor) (1,350 gal.)	LAC 33:III.501.B.5.A.3
82TK808	Diesel Fuel Tank for FCCU Emergency Generator-1034	LAC 33:III.501.B.5.A.3
82TK811V	Cooling Water Surfacant Chemical Tank (Vendor Owned)-400	LAC 33:III.501.B.5.A.3
82TK829	Condensate pH Control (Neutralizer) (1,000 gal.)	LAC 33:III.501.B.5.A.3
90TK901	Red Dye (1,000 gal.)	LAC 33:III.501.B.5.A.3
90TK902	JP-8 Corrosion Inhibitor Tank (2,000 gal.)	LAC 33:III.501.B.5.A.3
90TK903	JP-8 Deicer Chemical Tank (9,996 gal.)	LAC 33:III.501.B.5.A.3
90TK904	Red Dye Additive Tank (500 gal.)	LAC 33:III.501.B.5.A.3
90TK905	DCI-6A Additive Tank (2,000 gal.)	LAC 33:III.501.B.5.A.3
90TK906	Red Dye (2,000 gal.)	LAC 33:III.501.B.5.A.3
90TK908	Diesel Tank (500 gal.)	LAC 33:III.501.B.5.A.3
99TK850	Recovered Oil Tank (175 gal.)	LAC 33:III.501.B.5.A.3
99TK855	Scum Sump (265 gal.)	LAC 33:III.501.B.5.A.3
99TK858	Effluent Tank (Effluent to River) (8,000 gal.)	LAC 33:III.501.B.5.A.3
99TK872	Bug Recycle Tank - Clarifier Sludge (2,500 gal.)	LAC 33:III.501.B.5.A.3
99TK873	Polymer Storage Tank (2,400 gal.)	LAC 33:III.501.B.5.A.3
99TK875	Soda Ash Hopper (385 gal.)	LAC 33:III.501.B.5.A.3
99TK992	Wastewater Antifoam (385 gal.)	LAC 33:III.501.B.5.A.3
99TK993	Polymer Storage Tank (6,000 gal.) (To be installed)	LAC 33:III.501.B.5.A.3
99TK994	Bug Press Polymer Storage Tank (470 gal.)	LAC 33:III.501.B.5.A.3
99TK995	Clarifier (To be installed)	LAC 33:III.501.B.5.A.3
99TK996	Scum Tank (To be installed)	LAC 33:III.501.B.5.A.3
99TK999	Bug Press Spent Water Tank (7,080 gal.)	LAC 33:III.501.B.5.A.3
DK-3	Slop Tank (Dock 3) (840 gal.)	LAC 33:III.501.B.5.A.3
DK-4	Slop Tank (Dock 4) (840 gal.)	LAC 33:III.501.B.5.A.3
	Diesel Maintenance Tanks (Skid Mounted) (1,000 gal.)	LAC 33:III.501.B.5.A.3
	Diesel Maintenance (Skid Mounted) (500 gal.)	LAC 33:III.501.B.5.A.3
	Chemical Tanks (1,000 gal.)	LAC 33:III.501.B.5.A.3
	Chemical Tanks (1,500 gal.)	LAC 33:III.501.B.5.A.3
	Tanks for Cleaning and Turnaround Activities (<10,000 gal.)	LAC 33:III.501.B.5.A.3
TK-102	Rust Liquid Soap (SWS) (1,000 gal.)	LAC 33:III.501.B.5.A.3
TK-2329	Rust Liquid Soap (cleaning slab) (1,000 gal.)	LAC 33:III.501.B.5.A.3
TK-2515	Rust Liquid Soap (crude unit) (1,000 gal.)	LAC 33:III.501.B.5.A.3
TK-2522	Rust Chem Additive (2095) (400 gal.)	LAC 33:III.501.B.5.A.3

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ID No.	Description	Citation
TK-9908A	Bug Press Polymer Mix Tank (288 gal.)	LAC 33:III.501.B.5.A.3
TK-9908B	Bug Press Polymer Mix Tank (288 gal.)	LAC 33:III.501.B.5.A.3
	Diesel Tank (Dock 4) (300 gal.)	LAC 33:III.501.B.5.A.3
23TK231	Water Tank for Jet Fuel Water Wash (1,000 gal.)	LAC 33:III.501.B.5.A.4
80TK0701	Raw Water Storage (630,000 gal.)	LAC 33:III.501.B.5.A.4
82TK809	Raw Water Storage (420,000 gal.)	LAC 33:III.501.B.5.A.4
82TK820	Demineralized Water (126,000 gal.)	LAC 33:III.501.B.5.A.4
82TK826	Deionizer Neutralization Tank (40,000 gal.)	LAC 33:III.501.B.5.A.4
	Raw Water Tank @ Dock No. 1 (157 gal.)	LAC 33:III.501.B.5.A.4
20TK206	Water Injection Tank (HDS) (245 gal.))	LAC 33:III.501.B.5.A.4
20TK208	Water Injection Tank to Reformer (60 gal.)	LAC 33:III.501.B.5.A.4
82TK810	Force Draft Aerator - Demin Skid No. 1 (2,009 gal.)	LAC 33:III.501.B.5.A.4
82TK828	Force Draft Aerator - Demin Skid No. 2 (1,050 gal.)	LAC 33:III.501.B.5.A.4
	Emissions from Laboratory Equipment/Vents	LAC 33:III.501.B.5.A.6
21-79	Back-up Heater H-2302 (204.5 MM BTU/hr)	LAC 33:III.501.B.5.B.32
42TK370	Caustic Storage Tank (2,850 gal.)	LAC 33:III.501.B.5.B.40
82TK801	Caustic Supply (21,000 gal.)	LAC 33:III.501.B.5.B.40
82TK802	Dilute Caustic (12,600 gal.)	LAC 33:III.501.B.5.B.40
99TK853	Caustic Day Tank (1,050 gal.)	LAC 33:III.501.B.5.B.40
23TK232	Jet A Caustic Mix Tank (4,000 gal.)	LAC 33:III.501.B.5.B.40
80TK1425	Caustic Tank for Reformer Regeneration (4,000 gal.)	LAC 33:III.501.B.5.B.40
82TK825	Caustic Day Tank (400 gal.)	LAC 33:III.501.B.5.B.40

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	17	2103	2107	2108	2111	2115	2121	22	29*	51*	53	56	59
GRP004	Krotz Springs Refinery	1	1	1												1	1	1	1
ARE001	4-77: Wastewater Treatment Plant															1			
ARE002	1-05: Startup and Shutdown																		
EQT023	1-76: Tank 30-3							1								1			
EQT024	2-76: Tank 30-4							1								1			
EQT025	3-76: Tank 55-1							1								1			
EQT026	1-78: Crude Reformer (H-2001)			1	1	1													
EQT027	2-78: Hydrotreater Charge Heater (H-2003)			1	1	1													
EQT028	3-78: Hydrotreater Stabilizer Reboiler (H-2004)			1	1	1													
EQT029	4-78: Reformer Stabilizer Reboiler (H-2002)			1	1	1													
EQT030	7-78: Steam Boiler (B-8001)			1	1	1													
EQT031	8-78: Crude Unit Flare			1	1	1										1			
EQT032	9-78: Tank 15-1							1								1			
EQT033	10-78: Tank 15-2							1								1			
EQT034	15-78: Tank 30-5							1								1			
EQT035	16-78: Tank 30-6							1								1			
EQT036	17-78: Tank 30-7							1								1			
EQT037	18-78: Tank 30-8							1								1			
EQT038	20-78: Tank 5-1							3								1			
EQT039	21-78: Tank 55-2							1								1			
EQT040	22-78: Tank 55-3							1								1			
EQT041	23-78: Tank 55-4							1								1			
EQT042	24-78: Tank 55-5							1								1			
EQT043	25-78: Tank 55-6							1								1			
EQT044	1-79: Tank 55-7							1								1			
EQT045	2-79: Tank 80-1							1								1			
EQT046	3-79: Tank 80-2							1								1			

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	17	2103	2107	2108	2111	2115	2121	22	29*	51*	53	56	59
EQT047	4-79: Tank 80-3							3								1			
EQT048	5-79: Tank 80-4							3								1			
EQT049	6-79: Tank 80-5							1								1			
EQT050	7-79: Tank 80-6							3								1			
EQT051	8-79: Tank 80-7							3								1			
EQT052	9-79: Tank 80-8							1								1			
EQT053	10-79: Tank 80-9							1								1			
EQT054	11-79: Tank 80-10							1								1			
EQT055	12-79: Tank 100-1							1								1			
EQT056	13-79: Tank 100-2							1								1			
EQT057	14-79: Tank 125-1							1								1			
EQT058	15-79: Tank 100-4							1								1			
EQT059	17-79: Tank 150-1							1								1			
EQT060	18-79: Tank 150-2							1								1			
EQT061	20-79: Crude Heater (H-2301)			1	1	1													
EQT062	23-79: Dock 3 Loading															1			
EQT063	24-79: Dock 4 Loading															1			
EQT064	1-81: Tank 55-8							1								1			
EQT065	2-81: Tank 55-9							1								1			
EQT066	3-81: Tank 55-10							1								1			
EQT067	28-81: Tank 100-5							1								1			
EQT068	29-81: Tank 100-6							1								1			
EQT069	54-81: Cooling Towers (CT-8206 & 8006)															1			
EQT071	1-85: Fluid Catalytic Cracking Unit			1	1	1	1									1			
EQT072	2-85: Ammonium Thiosulfate Unit					1													
EQT073	3-85: FCCU Charge Heater (H-4201)			1	1	1													
EQT074	5-85: FCC Unit Flare			1	1	1													
EQT075	6-85: Steam Boiler (B-8202)			1	1	1													
EQT076	7-85: Steam Boiler (B-8203)			1	1	1													
EQT077	9-85: Tank 80-11							3								1			

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	17	2103	2107	2108	2111	2115	2121	22	29*	51*	53	56	59
EQT078	10-85: Tank 80-12							3								1			
EQT079	11-85: Tank 80-15							3								1			
EQT080	12-85: Tank 80-14							3								1			
EQT081	13-85: Tank 55-11							3								1			
EQT082	14-85: Tank 55-12							3								1			
EQT083	15-85: Tank 25-1							3								1			
EQT084	16-85: Tank 25-2							3								1			
EQT085	17-85: Tank 80-13							3								1			
EQT086	18-85: Dock 5 Loading															1			
EQT087	19-85: Steam Boiler (B-8002)			1	1	1													
EQT088	1-89: Truck Rack								1							1			
EQT089	1-91: Marine Loading Vapor Recovery			3	1	1				1						1			
EQT090	2-91: Tank 10-2							1								1			
EQT091	3-91: Tank 30-10							1								1			
EQT092	5-91: Steam Boiler (B-8003)			1	1	1													
EQT093	6-91: Isomerization Heater (H-1501)			1	1	1													
EQT094	11-91: Tank 10-1							3								1			
EQT095	12-91: Tank 10-6							3								1			
EQT096	13-91: Tank 30-9							1								1			
EQT097	14-91: Steam Boiler (B-8201)			1	1	1													
EQT098	2-92: Rail Car Loading								1										
EQT099	1-93: Tank 3-2							1								1			
EQT100	2-93: Tank 8-1							3								1			
EQT101	LPG: LPG Loading																		
EQT102	C5: C5 Loading																		
EQT103	TK236: Tank 236							1								1			
EQT104	TK420: Tank 420							1											
EQT105	TK424: Tank 424							1								1			
EQT106	TK907: Tank 907							1								1			
EQT107	TK909: Tank 909							1								1			

Krotz Springs Refinery
Agency Interest No.: 3116
Valero Refining Company – Louisiana
Krotz Springs, St. Landry Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	17	2103	2107	2108	2111	2115	2121	22	29*	51*	53	56	59
EQT108	1-04: GDU Heater (H-4501)			1	1	1													
EQT111	4-04: GDU Cooling Tower																		
EQT112	2-05: Reformer Regeneration/Scrubber Vent															1			
EQT113	Methanol Distillation Unit															1			
FUG002	Fugitive Emissions Program (Part 1)										1		1						
FUG006	Fugitive Emissions Program (Part 2)										1		1						
FUG007	Fugitive Emissions Program (Part 3)										1		1			1			
FUG008	Fugitive Emissions Program (Part 4)										1		1						
GRP005	Miscellaneous Vents											1							

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Krotz Springs Refinery
Agency Interest No.: 3116
Valero Refining Company – Louisiana
Krotz Springs, St. Landry Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	40 CFR 60 NSPS												40 CFR 61				40 CFR 63 NESHAP							40 CFR		
	A	D	Db	Dc	J	K	Ka	Kb	XX	GGG	NNN	QQQ	A	J	M	FF	A	Q	R	Y	CC	UUU	DDDDD	64	68	82
GRP004	1											1	1		1	1	1								1	1
ARE001																										
ARE002																										
EQT023						1															1					
EQT024						1															1					
EQT025						1															1					
EQT026					1																		1			
EQT027					1																		1			
EQT028					1																		1			
EQT029					1																		1			
EQT030		3			1																		1			
EQT031	1				1												1				1					
EQT032							1														1					
EQT033							1														1					
EQT034						1															1					
EQT035						1															1					
EQT036						1															1					
EQT037						1															1					
EQT038						3															2					
EQT039							1														1					
EQT040							1														1					
EQT041							1														1					
EQT042							1														1					
EQT043							1														1					
EQT044							1														1					
EQT045							1														1					
EQT046							1														1					
EQT047							1														2					
EQT048							1														2					
EQT049							1														1					

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	40 CFR 60 NSPS												40 CFR 61				40 CFR 63 NESHAP							40 CFR		
	A	D	Db	Dc	J	K	Ka	Kb	XX	GGG	NNN	QQQ	A	J	M	FF	A	Q	R	Y	CC	UUU	DDDDD	64	68	82
EQT050							1														2					
EQT051							1														2					
EQT052							1														1					
EQT053							1														1					
EQT054							1														1					
EQT055							1														1					
EQT056							1														1					
EQT057							1														1					
EQT058							1														1					
EQT059							1														1					
EQT060							1														1					
EQT061					1																		1			
EQT062																				1	1					
EQT063																				1	1					
EQT064							1														1					
EQT065							1														1					
EQT066							1														1					
EQT067							1														1					
EQT068							1														1					
EQT069																		3								
EQT071					1																	1		3		
EQT072																										
EQT073					1																		1			
EQT074	1				1												1				1					
EQT075		3			1																		1			
EQT076		3			1																		1			
EQT077								1													2					
EQT078									3												2					
EQT079							1														2					
EQT080							3														2					

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Krotz Springs Refinery
Agency Interest No.: 3116
Valero Refining Company – Louisiana
Krotz Springs, St. Landry Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	40 CFR 60 NSPS												40 CFR 61				40 CFR 63 NESHAP							40 CFR		
	A	D	Db	Dc	J	K	Ka	Kb	XX	GGG	NNN	QQQ	A	J	M	FF	A	Q	R	Y	CC	UUU	DDDDD	64	68	82
EQT081								3													2					
EQT082								3													2					
EQT083							3														2					
EQT084								3													2					
EQT085			3					3													2					
EQT086																				1	1					
EQT087					1																		1			
EQT088									1												1					
EQT089																				1	1					
EQT090								1													1					
EQT091								1													1					
EQT092				2	1																		1			
EQT093					1																		1			
EQT094						3															2					
EQT095						3															2					
EQT096								1													1					
EQT097				2	1																		1			
EQT098									3												1					
EQT099							1														1					
EQT100							2														2					
EQT101									1																	
EQT102									1																	
EQT103						3															2					
EQT104							3														2					
EQT105							3														2					
EQT106							3														2					
EQT107							3														2					
EQT108					1																		1			
EQT111																		3								
EQT112																						1				

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Krotz Springs Refinery
Agency Interest No.: 3116
Valero Refining Company – Louisiana
Krotz Springs, St. Landry Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	40 CFR 60 NSPS												40 CFR 61				40 CFR 63 NESHAP							40 CFR		
	A	D	Db	Dc	J	K	Ka	Kb	XX	GGG	NNN	QQQ	A	J	M	FF	A	Q	R	Y	CC	UUU	DDDDD	64	68	82
EQT113											1															
FUG002										1											1					
FUG006										1																
FUG007																										
FUG008																										
GRP005																					1					

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT030, EQT075, EQT076 (Boilers)	NSPS Subpart D – Steam Generators [40 CFR 60.40]	Does not apply – Heat input of each boiler is less than 250 MM BTU/hr.
EQT038 (Tank)	NSPS Subpart K – Petroleum Liquids Storage Vessels [40 CFR 60.110]; Storage of Volatile Organic Compounds [LAC 33:III.2103]	Does not apply – The storage tank does not store petroleum liquids.
	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries [40 CFR 63.640]	Exempt – Group 2 wastewater stream.
EQT047, EQT048, EQT050, EQT051, EQT077, EQT079 (Tanks)	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries [40 CFR 63.640]	Exempt – Group 2 storage vessels.
	Storage of Volatile Organic Compounds [LAC 33:III.2103]	Does not apply - True vapor pressure < 1.5 psia.
EQT069, EQT111 (Tanks)	40 CFR Part 63, Subpart Q – Industrial Process Cooling Towers [40 CFR 63.400]	Does not apply – No Chromium-based water treatment chemicals are used after 9/8/1994.
EQT078, EQT081, EQT082, EQT084, EQT085 (Tanks)	NSPS Subpart Kb – Volatile Organic Liquid (VOL) Storage Vessels [40 CFR 60.110b]	Does not apply – True vapor pressure < 0.5 psia.
	Storage of Volatile Organic Compounds [LAC 33:III.2103]	Does not apply - True vapor pressure < 1.5 psia.
	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries [40 CFR 63.640]	Exempt – Group 2 storage vessels.
EQT071 (FCCU)	40 CFR 64 – Compliance Assurance Monitoring [40 CFR 64.2]	Does not apply – The unit does not use a control device to achieve compliance with emission limitation or standard.
EQT080, EQT083, EQT100 (Tanks)	NSPS Subpart Ka – Petroleum Liquids Storage Vessels [40 CFR 60.110a] Storage of Volatile Organic Compounds [LAC 33:III.2103]	Does not apply – The storage tanks do not store petroleum liquids.
	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries [40 CFR 63.640]	Exempt – Group 2 wastewater stream.
EQT087 (Boiler)	NSPS Subpart Db – Steam Generating Units [40 CFR 60.40b]	Does not apply - Heat input of each boiler is less than 100 MM BTU/hr.
EQT089 (Flare)	Smoke from Flaring [LAC 33:III.1105.A]	Does not apply – Control loading emission only.
EQT092, EQT097 (Boilers)	NSPS Subpart Dc – Steam Generating Units [40 CFR 60.40c]	Exempt – Burning refinery fuel (natural gas) only.

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT094 (Tank)	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries [40 CFR 63.640]	Exempt – Group 2 storage vessels.
	NSPS Subpart K – Petroleum Liquids Storage Vessels [40 CFR 60.110]	Does not apply – Constructed before June 11, 1973
	Storage of Volatile Organic Compounds [LAC 33:III.2103]	Does not apply - True vapor pressure < 1.5 psia.
EQT095 (Tank)	NSPS Subpart K – Petroleum Liquids Storage Vessels [40 CFR 60.110]; Storage of Volatile Organic Compounds [LAC 33:III.2103]	Does not apply – True vapor pressure < 1.5 psia.
	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries [40 CFR 63.640]	Exempt – Group 2 storage vessel.
EQT098 (Rail Car Loading)	NSPS Subpart XX – Bulk Gasoline Terminals [40 CFR 60.500]	Does not apply – Does not load gasoline.
EQT103 (Tank)	NSPS Subpart K – Petroleum Liquids Storage Vessels [40 CFR 60.110]	Does not apply – Tank capacity is less than 40,000 gallons.
	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries [40 CFR 63.640]	Exempt – Group 2 storage vessel.
EQT104, EQT105, EQT106, EQT107 (Tanks)	NSPS Subpart Kb – Volatile Organic Liquid (VOL) Storage Vessels [40 CFR 60.110b]	Does not apply – Capacity of each tank is less than 75 cubic meters (19,815 gallons).
	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries [40 CFR 63.640]	Exempt – Group 2 storage vessels.

The above table provides explanation for both the exemption status and non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]

B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]

C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 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. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

D. 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 this permit. [Reference 40 CFR 70.6(a)(6)(ii)]

E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]

F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]

G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:

1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]

I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]

J. Records of required monitoring shall include the following:

1. the date, place as defined in the permit, and time of sampling or measurements;
2. the date(s) analyses were performed;
3. the company or entity that performed the analyses;
4. the analytical techniques or methods used;
5. the results of such analyses; and
6. the operating conditions as existing at the time of sampling or measurement.

[Reference 40 CFR 70.6(a)(3)(ii)(A)]

K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of

attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:

1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;

3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

5. changes in emissions would not qualify as a significant modification; and

6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

   a. Report by June 30 to cover January through March
   b. Report by September 30 to cover April through June
   c. Report by December 31 to cover July through September
   d. Report by March 31 to cover October through December

4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;

3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;

4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and

6. 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 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. 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. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated November 18, 2005, along with supplemental information dated November 30, 2005 and January 12, February 7, March 7, and April 21, 2006.

IV. This permit shall become invalid, for the sources not constructed, if:

A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;

B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is

certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.

X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.

XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.

A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:

1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September

4. Report by March 31 to cover October through December

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;

B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;

C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and

D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's

premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

INVENTORIES

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE001	4-77: Wastewater Treatment Plant			600 gallons/min		8760 hr/yr (All Year)
ARE002	1-05: Startup and Shutdown					8760 hr/yr (All Year)
EQT023	1-76: Tank 30-3	1.26 million gallons			Diesel	8760 hr/yr (All Year)
EQT024	2-76: Tank 30-4	1.26 million gallons			Diesel	8760 hr/yr (All Year)
EQT025	3-76: Tank 55-1	2.31 million gallons			Regular Gasoline	8760 hr/yr (All Year)
EQT026	1-78: Crude Reformer (H-2001)		160.2 MM BTU/hr	112.5 MM BTU/hr		8760 hr/yr (All Year)
EQT027	2-78: Hydrotreater Charge Heater (H-2003)		16.4 MM BTU/hr	15.3 MM BTU/hr		8760 hr/yr (All Year)
EQT028	3-78: Hydrotreater Stabilizer Reboiler (H-2004)		18.9 MM BTU/hr	13.4 MM BTU/hr		8760 hr/yr (All Year)
EQT029	4-78: Reformer Stabilizer Reboiler (H-2002)		16 MM BTU/hr	14.4 MM BTU/hr		8760 hr/yr (All Year)
EQT030	7-78: Steam Boiler (B-8001)		38.9 MM BTU/hr	32.4 MM BTU/hr		8760 hr/yr (All Year)
EQT031	8-78: Crude Unit Flare			32 MM BTU/hr		8760 hr/yr (All Year)
EQT032	9-78: Tank 15-1	.63 million gallons			Poly Gasoline	8760 hr/yr (All Year)
EQT033	10-78: Tank 15-2	.63 million gallons			Naphtha	8760 hr/yr (All Year)
EQT034	15-78: Tank 30-5	1.26 million gallons			Regular Gasoline	8760 hr/yr (All Year)
EQT035	16-78: Tank 30-6	1.26 million gallons			Super Nolead	8760 hr/yr (All Year)
EQT036	17-78: Tank 30-7	1.26 million gallons			MTBE	8760 hr/yr (All Year)
EQT037	18-78: Tank 30-8	1.26 million gallons			Super Nolead	8760 hr/yr (All Year)
EQT038	20-78: Tank 5-1	.21 million gallons			Wastewater	8760 hr/yr (All Year)
EQT039	21-78: Tank 55-2	2.31 million gallons			Super Gasoline	8760 hr/yr (All Year)
EQT040	22-78: Tank 55-3	2.31 million gallons			Reformate	8760 hr/yr (All Year)
EQT041	23-78: Tank 55-4	2.31 million gallons			LSR (Light-Straight-Run Naphtha)	8760 hr/yr (All Year)
EQT042	24-78: Tank 55-5	2.31 million gallons			Diesel	8760 hr/yr (All Year)
EQT043	25-78: Tank 55-6	2.31 million gallons			Jet Fuel	8760 hr/yr (All Year)
EQT044	1-79: Tank 55-7	2.31 million gallons			Diesel	8760 hr/yr (All Year)
EQT045	2-79: Tank 80-1	3.36 million gallons			Light Naphtha	8760 hr/yr (All Year)
EQT046	3-79: Tank 80-2	3.36 million gallons			Naphtha	8760 hr/yr (All Year)
EQT047	4-79: Tank 80-3	3.36 million gallons			FCCU Feed	8760 hr/yr (All Year)
EQT048	5-79: Tank 80-4	3.36 million gallons			FCCU Feed	8760 hr/yr (All Year)
EQT049	6-79: Tank 80-5	3.36 million gallons			Crude	8760 hr/yr (All Year)
EQT050	7-79: Tank 80-6	3.36 million gallons			Resid	8760 hr/yr (All Year)
EQT051	8-79: Tank 80-7	3.36 million gallons			FCCU Feed	8760 hr/yr (All Year)
EQT052	9-79: Tank 80-8	3.36 million gallons			Crude	8760 hr/yr (All Year)
EQT053	10-79: Tank 80-9	3.36 million gallons			Regular Gasoline	8760 hr/yr (All Year)
EQT054	11-79: Tank 80-10	3.36 million gallons			Regular Gasoline	8760 hr/yr (All Year)
EQT055	12-79: Tank 100-1	4.2 million gallons			Diesel	8760 hr/yr (All Year)
EQT056	13-79: Tank 100-2	4.2 million gallons			Regular Gasoline	8760 hr/yr (All Year)
EQT057	14-79: Tank 125-1	5.25 million gallons			Crude	8760 hr/yr (All Year)

INVENTORIES

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT058	15-79: Tank 100-4	4.2 million gallons			Crude	8760 hr/yr (All Year)
EQT059	17-79: Tank 150-1	6.3 million gallons			Regular Gasoline	8760 hr/yr (All Year)
EQT060	18-79: Tank 150-2	6.3 million gallons			Jet Oil	8760 hr/yr (All Year)
EQT061	20-79: Crude Heater (H-2301)		245.5 MM BTU/hr	204.5 MM BTU/hr		8760 hr/yr (All Year)
EQT062	23-79: Dock 3 Loading			5000 bbl/hr		4380 hr/yr (All Year)
EQT063	24-79: Dock 4 Loading			5000 bbl/hr		4380 hr/yr (All Year)
EQT064	1-81: Tank 55-8	2.31 million gallons			Jet Fuel	8760 hr/yr (All Year)
EQT065	2-81: Tank 55-9	2.31 million gallons			Reformate	8760 hr/yr (All Year)
EQT066	3-81: Tank 55-10	2.31 million gallons			Cat Gas Rundown	8760 hr/yr (All Year)
EQT067	28-81: Tank 100-5	4.2 million gallons			Crude	8760 hr/yr (All Year)
EQT068	29-81: Tank 100-6	4.2 million gallons			Crude	8760 hr/yr (All Year)
EQT069	54-81: Cooling Towers (CT-8206 & 8006)			51600 gallons/min		8760 hr/yr (All Year)
EQT071	1-85: Fluid Catalytic Cracking Unit		11.68 MM bbl/yr			8760 hr/yr (All Year)
EQT072	2-85: Ammonium Thiosulfate Unit		37200 scf/hr	37200 scf/hr		8760 hr/yr (All Year)
EQT073	3-85: FCCU Charge Heater (H-4201)		53.4 MM BTU/hr	44.5 MM BTU/hr		8760 hr/yr (All Year)
EQT074	5-85: FCC Unit Flare			687 MM BTU/hr		8760 hr/yr (All Year)
EQT075	6-85: Steam Boiler (B-8202)		136 MM BTU/hr	113.3 MM BTU/hr		8760 hr/yr (All Year)
EQT076	7-85: Steam Boiler (B-8203)		190.3 MM BTU/hr	159 MM BTU/hr		8760 hr/yr (All Year)
EQT077	9-85: Tank 80-11	3.36 million gallons			FCCU Feed	8760 hr/yr (All Year)
EQT078	10-85: Tank 80-12	3.36 million gallons			FCCU Feed	8760 hr/yr (All Year)
EQT079	11-85: Tank 80-15	3.36 million gallons			Diesel	8760 hr/yr (All Year)
EQT080	12-85: Tank 80-14	3.36 million gallons			Wastewater	8760 hr/yr (All Year)
EQT081	13-85: Tank 55-11	2.31 million gallons			Diesel	8760 hr/yr (All Year)
EQT082	14-85: Tank 55-12	2.31 million gallons			Light Cycle Oil	8760 hr/yr (All Year)
EQT083	15-85: Tank 25-1	1.05 million gallons			Wastewater	8760 hr/yr (All Year)
EQT084	16-85: Tank 25-2	1.05 million gallons			Ammonium Thiosulfate	8760 hr/yr (All Year)
EQT085	17-85: Tank 80-13	3.36 million gallons			Diesel	8760 hr/yr (All Year)
EQT086	18-85: Dock 5 Loading			5000 bbl/hr		2190 hr/yr (All Year)
EQT087	19-85: Steam Boiler (B-8002)		52.6 MM BTU/hr	44 MM BTU/hr		8760 hr/yr (All Year)
EQT088	1-89: Truck Rack			2400 gallons/min		6540 hr/yr (All Year)
EQT089	1-91: Marine Loading Vapor Recovery			24 MM BTU/hr		2190 hr/yr (All Year)
EQT090	2-91: Tank 10-2	.42 million gallons			MTBE	8760 hr/yr (All Year)
EQT091	3-91: Tank 30-10	1.26 million gallons			Octenes/CMS	8760 hr/yr (All Year)
EQT092	5-91: Steam Boiler (B-8003)		90 MM BTU/hr	75 MM BTU/hr		8760 hr/yr (All Year)
EQT093	6-91: Isomerization Heater (H-1501)		6 MM BTU/hr	5 MM BTU/hr		8760 hr/yr (All Year)
EQT094	11-91: Tank 10-1	.37 million gallons			Kerosene	8760 hr/yr (All Year)
EQT095	12-91: Tank 10-6	.42 million gallons			Diesel	8760 hr/yr (All Year)

INVENTORIES

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT096	13-91: Tank 30-9	1.26 million gallons			Methanol	8760 hr/yr (All Year)
EQT097	14-91: Steam Boiler (B-8201)		90 MM BTU/hr	75 MM BTU/hr		8760 hr/yr (All Year)
EQT098	2-92: Rail Car Loading			1200 bbl/hr		2920 hr/yr (All Year)
EQT099	1-93: Tank 3-2	126000 gallons			Recovered Oil	8760 hr/yr (All Year)
EQT100	2-93: Tank 8-1	.84 million gallons				8760 hr/yr (All Year)
EQT101	LPG: LPG Loading		16000 gallons/hr	6000 Tank cars/year		8760 hr/yr (All Year)
EQT102	C5: C5 Loading		16000 gallons/hr	100 Tank cars/year		8760 hr/yr (All Year)
EQT103	TK236: Tank 236	1058 gallons			Chemical Additives	8760 hr/yr (All Year)
EQT104	TK420: Tank 420	2522 gallons			PET 1300	8760 hr/yr (All Year)
EQT105	TK424: Tank 424	1653 gallons			Light Naphtha	8760 hr/yr (All Year)
EQT106	TK907: Tank 907	12697 gallons			Slop Oil	8760 hr/yr (All Year)
EQT107	TK909: Tank 909	1653 gallons			Regular Gasoline	8760 hr/yr (All Year)
EQT108	1-04: GDU Heater (H-4501)		90 MM BTU/hr	90 MM BTU/hr		8760 hr/yr (All Year)
EQT111	4-04: GDU Cooling Tower			9200 gallons/min		8760 hr/yr (All Year)
EQT112	2-05: Reformer Regeneration/Scrubber Vent			1100 ft^3/min		168 hr/yr (All Year)
EQT113	Methanol Distillation Unit					8760 hr/yr (All Year)
FUG002	Fugitive Emission Program (Part 1)					8760 hr/yr (All Year)
FUG006	Fugitive Emission Program (Part 2)					8760 hr/yr (All Year)
FUG007	Fugitive Emission Program (Part 3)					8760 hr/yr (All Year)
FUG008	Fugitive Emission Program (Part 4)					8760 hr/yr (All Year)
RLP005	D-8007: Water Collection Drum					8760 hr/yr (All Year)
RLP006	D-2325: Drain Collection Drum					8760 hr/yr (All Year)
RLP007	D-8009: Process Drain Sump Drain					8760 hr/yr (All Year)
RLP008	D-2003: Fuel Gas Drum					8760 hr/yr (All Year)
RLP009	D-1505A/B: Make-up Gas Dryers					8760 hr/yr (All Year)
RLP010	Miscellaneous Pump Seal Oil Pots					8760 hr/yr (All Year)
RLP011	D-4203: Main Fractionator Overhead Accumulator					8760 hr/yr (All Year)
RLP012	Flare Sweep Gas @ Merox					8760 hr/yr (All Year)
RLP013	D-4221: C3/C4 Splitter Overhead Accumulater					8760 hr/yr (All Year)
RLP014	D-4256: Wet Gas Compressor Lube Oil Conditioning Drum					8760 hr/yr (All Year)
RLP015	PV-047B: FCCU Charge Drum					8760 hr/yr (All Year)
RLP016	D-3502: Acid Gas K/O Pot					8760 hr/yr (All Year)
RLP017	D-3503: Sour Gas K/O Pot					8760 hr/yr (All Year)
RLP018	D-3511: Fuel Gas K/O Pot					8760 hr/yr (All Year)
RLP019	D-3511a: Fuel Gas K/O Drum					8760 hr/yr (All Year)
RLP020	D-8209: Fuel Gas K/O Drum					8760 hr/yr (All Year)
RLP021	D-8213/8203: Fuel Gas K/O Drum					8760 hr/yr (All Year)

INVENTORIES

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
RLP022	D-8214/8202: Fuel Gas K/O Drum					8760 hr/yr (All Year)
RLP023	D-4225: Sponge Fuel Gas K/O Drum					8760 hr/yr (All Year)
RLP024	D-4227: Fuel Gas K/O Drum					8760 hr/yr (All Year)
RLP025	42-TK-340: DEA Surge Tank					8760 hr/yr (All Year)
RLP026	D-4220: Disulfide Oil Filter					8760 hr/yr (All Year)
RLP027	D-4251: Caustic Settler Drain Pot					8760 hr/yr (All Year)
RLP028	D-4242: Oil Collection Drum					8760 hr/yr (All Year)
RLP029	D-2110: Methanol Sump Drum					8760 hr/yr (All Year)
RLP030	D-4223: Amine Flash Drum					8760 hr/yr (All Year)
RLP031	Drain Collection Drum					8760 hr/yr (All Year)
RLP032	Process Drain Sump Drain					8760 hr/yr (All Year)
RLP033	Fuel Gas Drum					8760 hr/yr (All Year)
RLP034	Make-up Gas Dryers					8760 hr/yr (All Year)
RLP035	Miscellaneous Pump Seal Oil Pots					8760 hr/yr (All Year)
RLP036	PV-047: GDU Charge Drum					8760 hr/yr (All Year)
RLP037	Acid Gas K/O Pot					8760 hr/yr (All Year)
RLP038	Sour Gas K/O Pot					8760 hr/yr (All Year)
RLP039	Fuel Gas K/O Pot					8760 hr/yr (All Year)
RLP040	Fuel Gas K/O Drum					8760 hr/yr (All Year)
RLP041	Caustic Settler Drain Pot					8760 hr/yr (All Year)
RLP042	Oil Collection Drum					8760 hr/yr (All Year)
RLP043	Amine Flash Drum					8760 hr/yr (All Year)
RLP044	D-3003: Inlet Gas Separator					8760 hr/yr (All Year)
RLP045	D-3006: Refrigeration Surge Tank					8760 hr/yr (All Year)
RLP046	D-3004: Cold Separator					8760 hr/yr (All Year)
RLP047	D-3005: Deethanizer Reflux Accumulator					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	Krotz Springs Refinery	ARE1 4-77: Wastewater Treatment Plant
GRP004	Krotz Springs Refinery	ARE2 1-05: Startup and Shutdown
GRP004	Krotz Springs Refinery	EQT23 1-76: Tank 30-3
GRP004	Krotz Springs Refinery	EQT24 2-76: Tank 30-4
GRP004	Krotz Springs Refinery	EQT25 3-76: Tank 55-1
GRP004	Krotz Springs Refinery	EQT26 1-78: Crude Reformer (H-2001)
GRP004	Krotz Springs Refinery	EQT27 2-78: Hydrotreater Charge Heater (H-2003)

INVENTORIES

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	Krotz Springs Refinery	EQT28 3-78: Hydrotreater Stabilizer Reboiler (H-2004)
GRP004	Krotz Springs Refinery	EQT29 4-78: Reformer Stabilizer Reboiler (H-2002)
GRP004	Krotz Springs Refinery	EQT30 7-78: Steam Boiler (B-8001)
GRP004	Krotz Springs Refinery	EQT31 8-78: Crude Unit Flare
GRP004	Krotz Springs Refinery	EQT32 9-78: Tank 15-1
GRP004	Krotz Springs Refinery	EQT33 10-78: Tank 15-2
GRP004	Krotz Springs Refinery	EQT34 15-78: Tank 30-5
GRP004	Krotz Springs Refinery	EQT35 16-78: Tank 30-6
GRP004	Krotz Springs Refinery	EQT36 17-78: Tank 30-7
GRP004	Krotz Springs Refinery	EQT37 18-78: Tank 30-8
GRP004	Krotz Springs Refinery	EQT38 20-78: Tank 5-1
GRP004	Krotz Springs Refinery	EQT39 21-78: Tank 55-2
GRP004	Krotz Springs Refinery	EQT40 22-78: Tank 55-3
GRP004	Krotz Springs Refinery	EQT41 23-78: Tank 55-4
GRP004	Krotz Springs Refinery	EQT42 24-78: Tank 55-5
GRP004	Krotz Springs Refinery	EQT43 25-78: Tank 55-6
GRP004	Krotz Springs Refinery	EQT44 1-79: Tank 55-7
GRP004	Krotz Springs Refinery	EQT45 2-79: Tank 80-1
GRP004	Krotz Springs Refinery	EQT46 3-79: Tank 80-2
GRP004	Krotz Springs Refinery	EQT47 4-79: Tank 80-3
GRP004	Krotz Springs Refinery	EQT48 5-79: Tank 80-4
GRP004	Krotz Springs Refinery	EQT49 6-79: Tank 80-5
GRP004	Krotz Springs Refinery	EQT50 7-79: Tank 80-6
GRP004	Krotz Springs Refinery	EQT51 8-79: Tank 80-7
GRP004	Krotz Springs Refinery	EQT52 9-79: Tank 80-8
GRP004	Krotz Springs Refinery	EQT53 10-79: Tank 80-9
GRP004	Krotz Springs Refinery	EQT54 11-79: Tank 80-10
GRP004	Krotz Springs Refinery	EQT55 12-79: Tank 100-1
GRP004	Krotz Springs Refinery	EQT56 13-79: Tank 100-2
GRP004	Krotz Springs Refinery	EQT57 14-79: Tank 125-1
GRP004	Krotz Springs Refinery	EQT58 15-79: Tank 100-4
GRP004	Krotz Springs Refinery	EQT59 17-79: Tank 150-1
GRP004	Krotz Springs Refinery	EQT60 18-79: Tank 150-2
GRP004	Krotz Springs Refinery	EQT61 20-79: Crude Heater (H-2301)
GRP004	Krotz Springs Refinery	EQT62 23-79: Dock 3 Loading
GRP004	Krotz Springs Refinery	EQT63 24-79: Dock 4 Loading
GRP004	Krotz Springs Refinery	EQT64 1-81: Tank 55-8

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	Krotz Springs Refinery	EQT65 2-81: Tank 55-9
GRP004	Krotz Springs Refinery	EQT66 3-81: Tank 55-10
GRP004	Krotz Springs Refinery	EQT67 28-81: Tank 100-5
GRP004	Krotz Springs Refinery	EQT68 29-81: Tank 100-6
GRP004	Krotz Springs Refinery	EQT69 54-81: Cooling Towers (CT-8206 & 8006)
GRP004	Krotz Springs Refinery	EQT71 1-85: Fluid Catalytic Cracking Unit
GRP004	Krotz Springs Refinery	EQT72 2-85: Ammonium Thiosulfate Unit
GRP004	Krotz Springs Refinery	EQT73 3-85: FCCU Charge Heater (H-4201)
GRP004	Krotz Springs Refinery	EQT74 5-85: FCC Unit Flare
GRP004	Krotz Springs Refinery	EQT75 6-85: Steam Boiler (B-8202)
GRP004	Krotz Springs Refinery	EQT76 7-85: Steam Boiler (B-8203)
GRP004	Krotz Springs Refinery	EQT77 9-85: Tank 80-11
GRP004	Krotz Springs Refinery	EQT78 10-85: Tank 80-12
GRP004	Krotz Springs Refinery	EQT79 11-85: Tank 80-15
GRP004	Krotz Springs Refinery	EQT80 12-85: Tank 80-14
GRP004	Krotz Springs Refinery	EQT81 13-85: Tank 55-11
GRP004	Krotz Springs Refinery	EQT82 14-85: Tank 55-12
GRP004	Krotz Springs Refinery	EQT83 15-85: Tank 25-1
GRP004	Krotz Springs Refinery	EQT84 16-85: Tank 25-2
GRP004	Krotz Springs Refinery	EQT85 17-85: Tank 80-13
GRP004	Krotz Springs Refinery	EQT86 18-85: Dock 5 Loading
GRP004	Krotz Springs Refinery	EQT87 19-85: Steam Boiler (B-8002)
GRP004	Krotz Springs Refinery	EQT88 1-89: Truck Rack
GRP004	Krotz Springs Refinery	EQT89 1-91: Marine Loading Vapor Recovery
GRP004	Krotz Springs Refinery	EQT90 2-91: Tank 10-2
GRP004	Krotz Springs Refinery	EQT91 3-91: Tank 30-10
GRP004	Krotz Springs Refinery	EQT92 5-91: Steam Boiler (B-8003)
GRP004	Krotz Springs Refinery	EQT93 6-91: Isomerization Heater (H-1501)
GRP004	Krotz Springs Refinery	EQT94 11-91: Tank 10-1
GRP004	Krotz Springs Refinery	EQT95 12-91: Tank 10-6
GRP004	Krotz Springs Refinery	EQT96 13-91: Tank 30-9
GRP004	Krotz Springs Refinery	EQT97 14-91: Steam Boiler (B-8201)
GRP004	Krotz Springs Refinery	EQT98 2-92: Rail Car Loading
GRP004	Krotz Springs Refinery	EQT99 1-93: Tank 3-2
GRP004	Krotz Springs Refinery	EQT100 2-93: Tank 8-1
GRP004	Krotz Springs Refinery	EQT101 LPG: LPG Loading
GRP004	Krotz Springs Refinery	EQT102 C5: C5 Loading

INVENTORIES

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	Krotz Springs Refinery	EQT103 TK236: Tank 236
GRP004	Krotz Springs Refinery	EQT104 TK420: Tank 420
GRP004	Krotz Springs Refinery	EQT105 TK424: Tank 424
GRP004	Krotz Springs Refinery	EQT106 TK907: Tank 907
GRP004	Krotz Springs Refinery	EQT107 TK909: Tank 909
GRP004	Krotz Springs Refinery	EQT108 1-04: GDU Heater (H-4501)
GRP004	Krotz Springs Refinery	EQT111 4-04: GDU Cooling Tower
GRP004	Krotz Springs Refinery	EQT112 2-05: Reformer Regeneration/Scrubber Vent
GRP004	Krotz Springs Refinery	EQT113 Methanol Distillation Unit
GRP004	Krotz Springs Refinery	FUG2 Fugitive Emission Program (Part 1)
GRP004	Krotz Springs Refinery	FUG6 Fugitive Emission Program (Part 2)
GRP004	Krotz Springs Refinery	FUG7 Fugitive Emission Program (Part 3)
GRP004	Krotz Springs Refinery	FUG8 Fugitive Emission Program (Part 4)
GRP004	Krotz Springs Refinery	GRP5 Miscellaneous Vents
GRP004	Krotz Springs Refinery	GRP6 FUG: Process Fugitive Emissions
GRP004	Krotz Springs Refinery	RLP5 D-8007: Water Collection Drum
GRP004	Krotz Springs Refinery	RLP6 D-2325: Drain Collection Drum
GRP004	Krotz Springs Refinery	RLP7 D-8009: Process Drain Sump Drain
GRP004	Krotz Springs Refinery	RLP8 D-2003: Fuel Gas Drum
GRP004	Krotz Springs Refinery	RLP9 D-1505A/B: Make-up Gas Dryers
GRP004	Krotz Springs Refinery	RLP10 Miscellaneous Pump Seal Oil Pots
GRP004	Krotz Springs Refinery	RLP11 D-4203: Main Fractionator Overhead Accumulator
GRP004	Krotz Springs Refinery	RLP12 Flare Sweep Gas @ Merox
GRP004	Krotz Springs Refinery	RLP13 D-4221: C3/C4 Splitter Overhead Accumulater
GRP004	Krotz Springs Refinery	RLP14 D-4256: Wet Gas Compressor Lube Oil Conditioning Drum
GRP004	Krotz Springs Refinery	RLP15 PV-047B: FCCU Charge Drum
GRP004	Krotz Springs Refinery	RLP16 D-3502: Acid Gas K/O Pot
GRP004	Krotz Springs Refinery	RLP17 D-3503: Sour Gas K/O Pot
GRP004	Krotz Springs Refinery	RLP18 D-3511: Fuel Gas K/O Pot
GRP004	Krotz Springs Refinery	RLP19 D-3511a: Fuel Gas K/O Drum
GRP004	Krotz Springs Refinery	RLP20 D-8209: Fuel Gas K/O Drum
GRP004	Krotz Springs Refinery	RLP21 D-8213/8203: Fuel Gas K/O Drum
GRP004	Krotz Springs Refinery	RLP22 D-8214/8202: Fuel Gas K/O Drum
GRP004	Krotz Springs Refinery	RLP23 D-4225: Sponge Fuel Gas K/O Drum
GRP004	Krotz Springs Refinery	RLP24 D-4227: Fuel Gas K/O Drum
GRP004	Krotz Springs Refinery	RLP25 42-TK-340: DEA Surge Tank
GRP004	Krotz Springs Refinery	RLP26 D-4220: Disulfide Oil Filter

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	Krotz Springs Refinery	RLP27 D-4251: Caustic Settler Drain Pot
GRP004	Krotz Springs Refinery	RLP28 D-4242: Oil Collection Drum
GRP004	Krotz Springs Refinery	RLP29 D-2110: Methanol Sump Drum
GRP004	Krotz Springs Refinery	RLP30 D-4223: Amine Flash Drum
GRP004	Krotz Springs Refinery	RLP31 Drain Collection Drum
GRP004	Krotz Springs Refinery	RLP32 Process Drain Sump Drain
GRP004	Krotz Springs Refinery	RLP33 Fuel Gas Drum
GRP004	Krotz Springs Refinery	RLP34 Make-up Gas Dryers
GRP004	Krotz Springs Refinery	RLP35 Miscellaneous Pump Seal Oil Pots
GRP004	Krotz Springs Refinery	RLP36 PV-047: GDU Charge Drum
GRP004	Krotz Springs Refinery	RLP37 Acid Gas K/O Pot
GRP004	Krotz Springs Refinery	RLP38 Sour Gas K/O Pot
GRP004	Krotz Springs Refinery	RLP39 Fuel Gas K/O Pot
GRP004	Krotz Springs Refinery	RLP40 Fuel Gas K/O Drum
GRP004	Krotz Springs Refinery	RLP41 Caustic Settler Drain Pot
GRP004	Krotz Springs Refinery	RLP42 Oil Collection Drum
GRP004	Krotz Springs Refinery	RLP43 Amine Flash Drum
GRP004	Krotz Springs Refinery	RLP44 D-3003: Inlet Gas Separator
GRP004	Krotz Springs Refinery	RLP45 D-3006: Refrigeration Surge Tank
GRP004	Krotz Springs Refinery	RLP46 D-3004: Cold Separator
GRP004	Krotz Springs Refinery	RLP47 D-3005: Deethanizer Reflux Accumulator
GRP005	Miscellaneous Vents	RLP5 D-8007: Water Collection Drum
GRP005	Miscellaneous Vents	RLP6 D-2325: Drain Collection Drum
GRP005	Miscellaneous Vents	RLP7 D-8009: Process Drain Sump Drain
GRP005	Miscellaneous Vents	RLP8 D-2003: Fuel Gas Drum
GRP005	Miscellaneous Vents	RLP9 D-1505A/B: Make-up Gas Dryers
GRP005	Miscellaneous Vents	RLP10 Miscellaneous Pump Seal Oil Pots
GRP005	Miscellaneous Vents	RLP11 D-4203: Main Fractionator Overhead Accumulator
GRP005	Miscellaneous Vents	RLP12 Flare Sweep Gas @ Merox
GRP005	Miscellaneous Vents	RLP13 D-4221: C3/C4 Splitter Overhead Accumulater
GRP005	Miscellaneous Vents	RLP14 D-4256: Wet Gas Compressor Lube Oil Conditioning Drum
GRP005	Miscellaneous Vents	RLP15 PV-047B: FCCU Charge Drum
GRP005	Miscellaneous Vents	RLP16 D-3502: Acid Gas K/O Pot
GRP005	Miscellaneous Vents	RLP17 D-3503: Sour Gas K/O Pot
GRP005	Miscellaneous Vents	RLP18 D-3511: Fuel Gas K/O Pot
GRP005	Miscellaneous Vents	RLP19 D-3511a: Fuel Gas K/O Drum
GRP005	Miscellaneous Vents	RLP20 D-8209: Fuel Gas K/O Drum

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Miscellaneous Vents	RLP21 D-8213/8203: Fuel Gas K/O Drum
GRP005	Miscellaneous Vents	RLP22 D-8214/8202: Fuel Gas K/O Drum
GRP005	Miscellaneous Vents	RLP23 D-4225: Sponge Fuel Gas K/O Drum
GRP005	Miscellaneous Vents	RLP24 D-4227: Fuel Gas K/O Drum
GRP005	Miscellaneous Vents	RLP25 42-TK-340: DEA Surge Tank
GRP005	Miscellaneous Vents	RLP26 D-4220: Disulfide Oil Filter
GRP005	Miscellaneous Vents	RLP27 D-4251: Caustic Settler Drain Pot
GRP005	Miscellaneous Vents	RLP28 D-4242: Oil Collection Drum
GRP005	Miscellaneous Vents	RLP29 D-2110: Methanol Sump Drum
GRP005	Miscellaneous Vents	RLP30 D-4223: Amine Flash Drum
GRP005	Miscellaneous Vents	RLP31 Drain Collection Drum
GRP005	Miscellaneous Vents	RLP32 Process Drain Sump Drain
GRP005	Miscellaneous Vents	RLP33 Fuel Gas Drum
GRP005	Miscellaneous Vents	RLP34 Make-up Gas Dryers
GRP005	Miscellaneous Vents	RLP35 Miscellaneous Pump Seal Oil Pots
GRP005	Miscellaneous Vents	RLP36 PV-047: GDU Charge Drum
GRP005	Miscellaneous Vents	RLP37 Acid Gas K/O Pot
GRP005	Miscellaneous Vents	RLP38 Sour Gas K/O Pot
GRP005	Miscellaneous Vents	RLP39 Fuel Gas K/O Pot
GRP005	Miscellaneous Vents	RLP40 Fuel Gas K/O Drum
GRP005	Miscellaneous Vents	RLP41 Caustic Settler Drain Pot
GRP005	Miscellaneous Vents	RLP42 Oil Collection Drum
GRP005	Miscellaneous Vents	RLP43 Amine Flash Drum
GRP005	Miscellaneous Vents	RLP44 D-3003: Inlet Gas Separator
GRP005	Miscellaneous Vents	RLP45 D-3006: Refrigeration Surge Tank
GRP005	Miscellaneous Vents	RLP46 D-3004: Cold Separator
GRP005	Miscellaneous Vents	RLP47 D-3005: Deethanizer Reflux Accumulator
GRP006	FUG: Process Fugitive Emissions	FUG2 Fugitive Emission Program (Part 1)
GRP006	FUG: Process Fugitive Emissions	FUG6 Fugitive Emission Program (Part 2)
GRP006	FUG: Process Fugitive Emissions	FUG7 Fugitive Emission Program (Part 3)
GRP006	FUG: Process Fugitive Emissions	FUG8 Fugitive Emission Program (Part 4)

Relationships:

Subject Item	Relationship	Subject Item
EQT31 8-78: Crude Unit Flare	Controls emissions from	RLP5 D-8007: Water Collection Drum
EQT31 8-78: Crude Unit Flare	Controls emissions from	RLP6 D-2325: Drain Collection Drum
EQT31 8-78: Crude Unit Flare	Controls emissions from	RLP7 D-8009: Process Drain Sump Drain

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Relationships:

Subject Item	Relationship	Subject Item
EQT31 8-78: Crude Unit Flare	Controls emissions from	RLP8 D-2003: Fuel Gas Drum
EQT31 8-78: Crude Unit Flare	Controls emissions from	RLP9 D-1505A/B: Make-up Gas Dryers
EQT31 8-78: Crude Unit Flare	Controls emissions from	RLP10 Miscellaneous Pump Seal Oil Pots
EQT73 3-85: FCCU Charge Heater (H-4201)	Controls emissions from	RLP26 D-4220: Disulfide Oil Filter
EQT74 5-85: FCC Unit Flare	Controls emissions from	EQT113 Methanol Distillation Unit
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP10 Miscellaneous Pump Seal Oil Pots
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP11 D-4203: Main Fractionator Overhead Accumulator
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP12 Flare Sweep Gas @ Merox
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP13 D-4221: C3/C4 Splitter Overhead Accumulater
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP14 D-4256: Wet Gas Compressor Lube Oil Conditioning Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP15 PV-047B: FCCU Charge Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP16 D-3502: Acid Gas K/O Pot
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP17 D-3503: Sour Gas K/O Pot
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP18 D-3511: Fuel Gas K/O Pot
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP19 D-3511a: Fuel Gas K/O Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP20 D-8209: Fuel Gas K/O Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP21 D-8213/8203: Fuel Gas K/O Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP22 D-8214/8202: Fuel Gas K/O Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP23 D-4225: Sponge Fuel Gas K/O Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP24 D-4227: Fuel Gas K/O Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP25 42-TK-340: DEA Surge Tank
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP27 D-4251: Caustic Settler Drain Pot
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP28 D-4242: Oil Collection Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP29 D-2110: Methanol Sump Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP30 D-4223: Amine Flash Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP31 Drain Collection Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP32 Process Drain Sump Drain
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP33 Fuel Gas Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP34 Make-up Gas Dryers
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP35 Miscellaneous Pump Seal Oil Pots
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP36 PV-047: GDU Charge Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP37 Acid Gas K/O Pot
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP38 Sour Gas K/O Pot
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP39 Fuel Gas K/O Pot
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP40 Fuel Gas K/O Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP41 Caustic Settler Drain Pot
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP42 Oil Collection Drum

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Relationships:

Subject Item	Relationship	Subject Item
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP43 Amine Flash Drum
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP44 D-3003: Inlet Gas Separator
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP45 D-3006: Refrigeration Surge Tank
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP46 D-3004: Cold Separator
EQT74 5-85: FCC Unit Flare	Controls emissions from	RLP47 D-3005: Deethanizer Reflux Accumulator

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT026	1-78: Crude Reformer (H-2001)	16.5	38152	7		95	550
EQT027	2-78: Hydrotreater Charge Heater (H-2003)	17.1	7244	3		75	950
EQT028	3-78: Hydrotreater Stabilizer Reboiler (H-2004)	13.4	5671	3		85	810
EQT029	4-78: Reformer Stabilizer Reboiler (H-2002)	14.9	6334	3		85	850
EQT030	7-78: Steam Boiler (B-8001)	20.1	8540	3		45	325
EQT031	8-78: Crude Unit Flare			4		200	1800
EQT061	20-79: Crude Heater (H-2301)	19.8	59738	8		90	410
EQT071	1-85: Fluid Catalytic Cracking Unit	138	104150	4		167	490
EQT072	2-85: Ammonium Thiosulfate Unit	25	2650	1.5		100	110
EQT073	3-85: FCCU Charge Heater (H-4201)	17	20145	5		80	900
EQT074	5-85: FCC Unit Flare					200	1800
EQT075	6-85: Steam Boiler (B-8202)	32.3	30815	4.5		47	350
EQT076	7-85: Steam Boiler (B-8203)	36.6	43135	5		47	350
EQT087	19-85: Steam Boiler (B-8002)	27.2	11545	2		25	325
EQT089	1-91: Marine Loading Vapor Recovery	50	284483	11		65	170
EQT092	5-91: Steam Boiler (B-8003)	34.5	37058	4		45	350
EQT093	6-91: Isomerization Heater (H-1501)	25	7363	2.5		58	350
EQT097	14-91: Steam Boiler (B-8201)	32.9	35300	4.5		50	350
EQT108	1-04: GDU Heater (H-4501)	30	28628	4.5		50	350
EQT112	2-05: Reformer Regeneration/Scrubber Vent	310	1100	.33			65

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP004	78	1,000 BBL/Day	0720 - Petroleum Refining (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
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All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 4-77													39.04	54.66	171.01
ARE 002 1-05	0.03	5.07	0.12	< 0.01	0.75	0.02	0.03	5.07	0.13	0.16	27.57	0.71	2.75	17.79	12.06
EQT 023 1-76													0.01		0.03
EQT 024 2-76													0.02		0.08
EQT 025 3-76													0.25		1.09
EQT 026 1-78	0.84	1.19	3.67	2.97	4.23	13.02	10.99	15.64	48.12	9.26	13.19	40.58	0.61	0.86	2.66
EQT 027 2-78	0.11	0.12	0.50	0.40	0.43	1.77	1.49	1.60	6.54	1.26	1.35	5.52	0.08	0.09	0.36
EQT 028 3-78	0.10	0.14	0.44	0.35	0.50	1.55	1.31	1.85	5.73	1.10	1.56	4.83	0.07	0.10	0.32
EQT 029 4-78	0.11	0.12	0.47	0.38	0.42	1.67	1.41	1.56	6.16	1.19	1.31	5.19	0.08	0.09	0.34
EQT 030 7-78	0.24	0.29	1.06	1.05	1.59	4.61	3.88	4.65	16.98	2.67	3.20	11.69	0.17	0.21	0.77
EQT 031 8-78	< 0.01	< 0.01	0.01	0.38	4.40	1.67	0.32	0.92	1.38	1.71	5.01	7.51	2.89	8.48	12.68
EQT 032 9-78													0.17		0.73
EQT 033 10-78													0.03		0.12
EQT 034 15-78													0.18		0.80
EQT 035 16-78													0.17		0.75
EQT 036 17-78													0.54		0.12
EQT 037 18-78													0.21		0.90
EQT 038 20-78													0.07		0.30

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 039 21-78													0.33		1.45
EQT 040 22-78													0.24		1.06
EQT 041 23-78													0.59		2.60
EQT 042 24-78													0.01		0.05
EQT 043 25-78													0.05		0.21
EQT 044 1-79													< 0.01		0.05
EQT 045 2-79													0.06		0.28
EQT 046 3-79													0.59		2.58
EQT 047 4-79													0.03		0.13
EQT 048 5-79													0.03		0.13
EQT 049 6-79													0.68		2.97
EQT 050 7-79													< 0.01		0.02
EQT 051 8-79													0.03		0.14
EQT 052 9-79													0.68		2.97
EQT 053 10-79													0.35		1.53
EQT 054 11-79													0.40		1.75
EQT 055 12-79													0.05		0.24
EQT 056 13-79													0.43		1.87

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2000-00003-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 057 14-79													0.32		1.41
EQT 058 15-79													0.37		1.62
EQT 059 17-79													0.50		2.18
EQT 060 18-79													0.04		0.20
EQT 061 20-79	1.52	1.83	6.67	6.64	10.03	29.08	32.48	38.98	142.26	16.84	20.21	73.76	1.10	1.32	4.83
EQT 062 23-79													< 0.01	0.03	0.01
EQT 063 24-79													38.77	402.40	84.92
EQT 064 1-81													0.05		0.22
EQT 065 2-81													0.51		2.23
EQT 066 3-81													0.30		1.30
EQT 067 28-81													0.37		1.62
EQT 068 29-81													0.28		1.24
EQT 069 54-81	6.24	7.87	27.33										2.17	18.58	9.49
EQT 071 1-85	31.05	50.51	136.00	187.00	233.24	819.06	41.10	66.60	180.02	36.52	104.27	160.00	2.40	3.00	10.50
EQT 072 2-85				2.20	2.20	9.64	9.11	15.11	39.88						
EQT 073 3-85	0.33	0.40	1.45	1.22	1.41	5.34	5.15	22.27	22.54	3.66	4.40	16.05	0.24	0.29	1.05
EQT 074 5-85	< 0.01	< 0.01	< 0.01	20.30	500.62	88.90	4.23	46.62	18.52	23.01	253.65	100.80	32.81	362.58	143.69
EQT 075 6-85	0.84	1.01	3.70	3.11	4.17	13.60	13.10	15.72	57.39	9.33	11.20	40.87	0.61	0.73	2.68

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 076 7-85	1.18	1.42	5.18	4.35	5.83	19.04	16.79	20.15	73.55	13.06	15.67	57.21	0.86	1.03	3.75
EQT 077 9-85													0.13		0.56
EQT 078 10-85													0.13		0.56
EQT 079 11-85													0.49		2.16
EQT 080 12-85													0.41		1.78
EQT 081 13-85													0.39		1.70
EQT 082 14-85													0.34		1.48
EQT 083 15-85													0.13		0.55
EQT 084 16-85													0.03		0.15
EQT 085 17-85													0.51		2.22
EQT 086 18-85													13.12	441.45	14.37
EQT 087 19-85	0.33	0.39	1.43	1.42	2.15	6.23	5.27	6.33	23.10	3.61	4.33	15.80	0.24	0.28	1.03
EQT 088 1-89													1.65	12.02	5.40
EQT 089 1-91	0.11	0.35	0.23	0.30	0.63	0.34	1.10	3.56	2.33	5.03	13.91	8.59	8.60	24.17	16.61
EQT 090 2-91													0.13		0.58
EQT 091 3-91													0.04		0.18
EQT 092 5-91	0.56	0.67	2.45	2.43	3.67	10.65	7.32	8.79	32.08	6.18	7.41	27.05	0.40	0.49	1.77
EQT 093 6-91	0.04	0.04	0.16	0.13	0.16	0.58	0.25	0.29	1.07	0.41	0.49	1.80	0.03	0.03	0.12

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 094 11-91													0.03		0.14
EQT 095 12-91													0.05		0.21
EQT 096 13-91													0.06		0.24
EQT 097 14-91	0.56	0.67	2.45	2.06	2.76	9.00	7.95	9.54	34.82	6.18	7.41	27.05	0.40	0.49	1.77
EQT 098 2-92													4.97	9.46	7.25
EQT 099 1-93													0.05		0.21
EQT 100 2-93													0.13		0.57
EQT 101 LPG													0.04	0.06	0.18
EQT 102 C5													< 0.01	< 0.01	< 0.01
EQT 103 TK236													0.01		0.06
EQT 104 TK420													< 0.01		0.05
EQT 105 TK424													0.02		0.07
EQT 106 TK907													0.18		0.78
EQT 107 TK909													0.03		0.15
EQT 108 1-04	0.67	0.84	2.94	2.40	3.00	10.51	3.60	4.50	15.77	7.41	9.26	32.46	0.27	0.34	1.19
EQT 111 4-04	< 0.01	< 0.01	< 0.01										< 0.01	< 0.01	< 0.01
GRP 006 FUG													145.90		639.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

TPOR0145

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

Permit Phase Totals:

PM10: 196.26 tons/yr
SO2: 1046.28 tons/yr
NOx: 728.37 tons/yr
CO: 637.47 tons/yr
VOC: 1202.96 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Ammonia			Benzene			Cumene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 4-77	< 0.01	< 0.01	0.01	0.04	0.05	0.17	3.30	4.62	14.47	1.52	2.13	6.67	< 0.01	< 0.01	0.01
ARE 002 1-05	< 0.01	< 0.01	< 0.01	0.01	1.52	0.05	< 0.01	0.04	< 0.01	0.02	0.10	0.07	< 0.01	0.03	0.01
EQT 023 1-76										< 0.01		< 0.01	< 0.01		< 0.01
EQT 024 2-76										< 0.01		< 0.01	< 0.01		< 0.01
EQT 025 3-76				< 0.01		< 0.01				< 0.01		0.01	< 0.01		< 0.01
EQT 026 1-78															
EQT 027 2-78															
EQT 028 3-78															
EQT 029 4-78															
EQT 030 7-78															
EQT 031 8-78	0.02	0.06	0.09				< 0.01	< 0.01	< 0.01						
EQT 032 9-78															
EQT 033 10-78										< 0.01		0.01	< 0.01		< 0.01
EQT 034 15-78				< 0.01		< 0.01				< 0.01		0.01	< 0.01		< 0.01
EQT 035 16-78				< 0.01		< 0.01				< 0.01		0.02	< 0.01		< 0.01
EQT 036 17-78															
EQT 037 18-78				< 0.01		< 0.01				0.01		0.02	< 0.01		< 0.01
EQT 038 20-78				< 0.01		< 0.01				< 0.01		< 0.01			

TPOR0146

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Ethyl benzene			Ethylene			Formaldehyde			Hydrochloric acid			Hydrogen sulfide		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 4-77	0.25	0.35	1.08				0.30	0.42	1.31				1.61	2.26	7.07
ARE 002 1-05	0.01		0.05	0.01	0.17	0.03							< 0.01	0.11	< 0.01
EQT 023 1-76	< 0.01		< 0.01												
EQT 024 2-76	< 0.01		< 0.01												
EQT 025 3-76	< 0.01		< 0.01												
EQT 026 1-78															
EQT 027 2-78															
EQT 028 3-78															
EQT 029 4-78															
EQT 030 7-78															
EQT 031 8-78															
EQT 032 9-78															
EQT 033 10-78	< 0.01		< 0.01												
EQT 034 15-78	< 0.01		< 0.01												
EQT 035 16-78	< 0.01		< 0.01												
EQT 036 17-78															
EQT 037 18-78	< 0.01		< 0.01												
EQT 038 20-78	< 0.01		< 0.01												

TPOR0146

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Methanol			Methyl Tertiary Butyl Ether			Naphthalene			Nickel (refinery dust)			Polynuclear Aromatic Hydrocar bons		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 4-77	< 0.01	< 0.01	0.01	0.17	0.23	0.72	< 0.01	< 0.01	< 0.01						
ARE 002 1-05	0.01	2.13	0.06	0.01	0.82	0.06	< 0.01	0.05	0.01				< 0.01	0.01	0.01
EQT 023 1-76							< 0.01		< 0.01				< 0.01		< 0.01
EQT 024 2-76							< 0.01		< 0.01				< 0.01		< 0.01
EQT 025 3-76				< 0.01		0.01	< 0.01		< 0.01						
EQT 026 1-78															
EQT 027 2-78															
EQT 028 3-78															
EQT 029 4-78															
EQT 030 7-78															
EQT 031 8-78															
EQT 032 9-78															
EQT 033 10-78															
EQT 034 15-78				< 0.01		< 0.01	< 0.01		< 0.01						
EQT 035 16-78				0.02		0.11									
EQT 036 17-78				0.12		0.53									
EQT 037 18-78				0.03		0.11									
EQT 038 20-78							< 0.01		< 0.01				< 0.01		< 0.01

TPOR0146

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Propylene			Toluene			Xylene (mixed isomers)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 4-77	0.19	0.27	0.85	0.74	1.04	3.26	0.72	1.00	3.13	0.04	0.05	0.17
ARE 002 1-05	0.11	2.72	0.46	0.05	0.50	0.23	0.07	1.03	0.29	0.04	2.38	0.16
EQT 023 1-76				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		< 0.01
EQT 024 2-76				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		< 0.01
EQT 025 3-76				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		0.01
EQT 026 1-78										0.05	0.07	0.20
EQT 027 2-78										0.01	0.01	0.03
EQT 028 3-78										0.01	0.01	0.02
EQT 029 4-78										0.01	0.01	0.03
EQT 030 7-78										< 0.01	0.02	0.06
EQT 031 8-78										0.34	1.01	1.51
EQT 032 9-78				< 0.01		< 0.01						
EQT 033 10-78				< 0.01		0.01	< 0.01		< 0.01	< 0.01		0.02
EQT 034 15-78				< 0.01		0.01	< 0.01		0.01	< 0.01		0.01
EQT 035 16-78				0.01		0.02	< 0.01		0.01	< 0.01		0.01
EQT 036 17-78												
EQT 037 18-78				0.01		0.03	< 0.01		0.01	< 0.01		0.01
EQT 038 20-78				< 0.01		< 0.01	< 0.01		0.01	< 0.01		< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Ammonia			Benzene			Cumene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 039 21-78				< 0.01		< 0.01				0.01		0.04	< 0.01		< 0.01
EQT 040 22-78				< 0.01		< 0.01				0.01		0.04	< 0.01		< 0.01
EQT 041 23-78										0.01		0.02			
EQT 042 24-78										< 0.01		< 0.01	< 0.01		< 0.01
EQT 043 25-78										< 0.01		< 0.01	< 0.01		< 0.01
EQT 044 1-79										< 0.01		< 0.01	< 0.01		< 0.01
EQT 045 2-79										< 0.01		< 0.01	< 0.01		< 0.01
EQT 046 3-79										0.01		0.02			
EQT 047 4-79															
EQT 048 5-79															
EQT 049 6-79				< 0.01		0.01				< 0.01		0.01			
EQT 050 7-79															
EQT 051 8-79															
EQT 052 9-79				< 0.01		0.01				< 0.01		0.01			
EQT 053 10-79				< 0.01		< 0.01				< 0.01		0.01	< 0.01		< 0.01
EQT 054 11-79				< 0.01		< 0.01				< 0.01		0.01	< 0.01		< 0.01
EQT 055 12-79										< 0.01		< 0.01	< 0.01		< 0.01
EQT 056 13-79				< 0.01		< 0.01				< 0.01		0.01	< 0.01		< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Ethyl benzene			Ethylene			Formaldehyde			Hydrochloric acid			Hydrogen sulfide		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 039 21-78	< 0.01		0.01												
EQT 040 22-78	< 0.01		0.01												
EQT 041 23-78															
EQT 042 24-78	< 0.01		< 0.01												
EQT 043 25-78	< 0.01		< 0.01												
EQT 044 1-79	< 0.01		< 0.01												
EQT 045 2-79	< 0.01		< 0.01												
EQT 046 3-79															
EQT 047 4-79															
EQT 048 5-79															
EQT 049 6-79	< 0.01		0.01												
EQT 050 7-79															
EQT 051 8-79															
EQT 052 9-79	< 0.01		0.01												
EQT 053 10-79	< 0.01		< 0.01												
EQT 054 11-79	< 0.01		< 0.01												
EQT 055 12-79	< 0.01		< 0.01												
EQT 056 13-79	< 0.01		< 0.01												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Methanol			Methyl Tertiary Butyl Ether			Naphthalene			Nickel (refinery dust)			Polynuclear Aromatic Hydrocarbons		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 039 21-78				0.04		0.18									
EQT 040 22-78															
EQT 041 23-78															
EQT 042 24-78							< 0.01		< 0.01				< 0.01		< 0.01
EQT 043 25-78							< 0.01		< 0.01				< 0.01		< 0.01
EQT 044 1-79							< 0.01		< 0.01				< 0.01		< 0.01
EQT 045 2-79															
EQT 046 3-79															
EQT 047 4-79													< 0.01		< 0.01
EQT 048 5-79													< 0.01		0.01
EQT 049 6-79							< 0.01		0.01				< 0.01		0.01
EQT 050 7-79													< 0.01		< 0.01
EQT 051 8-79													< 0.01		< 0.01
EQT 052 9-79							< 0.01		0.01				0.01		0.03
EQT 053 10-79				< 0.01		< 0.01	< 0.01		< 0.01						
EQT 054 11-79				< 0.01		< 0.01	< 0.01		< 0.01						
EQT 055 12-79							< 0.01		< 0.01				< 0.01		< 0.01
EQT 056 13-79				< 0.01		< 0.01	< 0.01		< 0.01						

TPOR0146

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Propylene			Toluene			Xylene (mixed isomers)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 039 21-78				0.01		0.05	< 0.01		0.03	< 0.01		0.02
EQT 040 22-78				0.02		0.08	0.01		0.04	0.01		0.02
EQT 041 23-78				< 0.01		0.01				< 0.01		0.02
EQT 042 24-78				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		< 0.01
EQT 043 25-78				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		0.02
EQT 044 1-79				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		< 0.01
EQT 045 2-79				< 0.01		0.01	< 0.01		0.01	0.01		0.04
EQT 046 3-79				< 0.01		0.01				0.02		0.09
EQT 047 4-79												
EQT 048 5-79												
EQT 049 6-79				< 0.01		0.02	< 0.01		0.02	0.01		0.06
EQT 050 7-79												
EQT 051 8-79												
EQT 052 9-79				< 0.01		0.02	< 0.01		0.02	0.01		0.06
EQT 053 10-79				< 0.01		0.01	< 0.01		0.01	< 0.01		0.02
EQT 054 11-79				< 0.01		0.01	< 0.01		0.01	< 0.01		0.02
EQT 055 12-79				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		< 0.01
EQT 056 13-79				< 0.01		0.01	< 0.01		0.01	< 0.01		0.02

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Ammonia			Benzene			Cumene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 057 14-79				< 0.01		0.01				< 0.01		0.01			
EQT 058 15-79				< 0.01		0.01				< 0.01		0.01			
EQT 059 17-79				< 0.01		< 0.01				< 0.01		0.01	< 0.01		< 0.01
EQT 060 18-79										< 0.01		< 0.01	< 0.01		< 0.01
EQT 061 20-79															
EQT 062 23-79															
EQT 063 24-79							0.07	2.27	0.30	0.10	0.97	0.23	0.01	0.06	0.01
EQT 064 1-81										< 0.01		< 0.01	< 0.01		< 0.01
EQT 065 2-81				< 0.01		< 0.01				< 0.01		0.01	< 0.01		< 0.01
EQT 066 3-81				< 0.01		< 0.01				< 0.01		< 0.01	< 0.01		< 0.01
EQT 067 28-81				< 0.01		< 0.01				< 0.01		0.01			
EQT 068 29-81				< 0.01		0.01				< 0.01		0.01			
EQT 069 54-81							0.04	0.05	0.19	0.02	0.02	0.08			
EQT 071 1-85															
EQT 072 2-85							< 0.01	< 0.01	< 0.01						
EQT 074 5-85	< 0.01	0.01	< 0.01				0.04	7.80	0.17						
EQT 075 6-85															
EQT 076 7-85															

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Ethyl benzene			Ethylene			Formaldehyde			Hydrochloric acid			Hydrogen sulfide		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 057 14-79	< 0.01		< 0.01												
EQT 058 15-79	< 0.01		0.01												
EQT 059 17-79	< 0.01		< 0.01												
EQT 060 18-79	< 0.01		< 0.01												
EQT 061 20-79															
EQT 062 23-79															
EQT 063 24-79	0.04	0.43	0.09										< 0.01	0.02	< 0.01
EQT 064 1-81	< 0.01		< 0.01												
EQT 065 2-81	< 0.01		< 0.01												
EQT 066 3-81	< 0.01		0.01												
EQT 067 28-81	< 0.01		0.01												
EQT 068 29-81	< 0.01		< 0.01												
EQT 069 54-81	0.02	0.02	0.08				0.02	0.02	0.08				0.04	0.05	0.19
EQT 071 1-85															
EQT 072 2-85															
EQT 074 5-85															
EQT 075 6-85															
EQT 076 7-85															

TPOR0146

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Methanol			Methyl Tertiary Butyl Ether			Naphthalene			Nickel (refinery dust)			Polynuclear Aromatic Hydrocarbons		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 057 14-79							< 0.01		< 0.01				< 0.01		0.01
EQT 058 15-79							< 0.01		< 0.01				< 0.01		< 0.01
EQT 059 17-79				< 0.01		< 0.01	< 0.01		< 0.01						
EQT 060 18-79							< 0.01		< 0.01				< 0.01		< 0.01
EQT 061 20-79															
EQT 062 23-79							< 0.01	< 0.01	< 0.01				< 0.01	< 0.01	< 0.01
EQT 063 24-79							< 0.01	< 0.01	< 0.01				< 0.01	< 0.01	< 0.01
EQT 064 1-81							< 0.01		< 0.01				< 0.01		< 0.01
EQT 065 2-81															
EQT 066 3-81															
EQT 067 28-81							< 0.01		< 0.01				< 0.01		0.01
EQT 068 29-81							< 0.01		< 0.01				< 0.01		0.01
EQT 069 54-81	0.02	0.02	0.08	0.02	0.02	0.08									
EQT 071 1-85										0.02	0.02	0.09			
EQT 072 2-85															
EQT 074 5-85															
EQT 075 6-85															
EQT 076 7-85															

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Propylene			Toluene			Xylene (mixed isomers)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 057 14-79				< 0.01		0.01	< 0.01		0.01	0.01		0.04
EQT 058 15-79				< 0.01		0.01	< 0.01		0.01	0.01		0.04
EQT 059 17-79				< 0.01		0.02	< 0.01		0.02	0.01		0.02
EQT 060 18-79				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		< 0.01
EQT 061 20-79										0.08	0.10	0.37
EQT 062 23-79							< 0.01	< 0.01	< 0.01			
EQT 063 24-79				0.16	1.39	0.35	0.32	2.91	0.70	0.36	3.53	0.80
EQT 064 1-81				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		< 0.01
EQT 065 2-81				< 0.01		0.01				< 0.01		0.02
EQT 066 3-81				0.01		0.02	0.01		0.03	< 0.01		0.01
EQT 067 28-81				< 0.01		0.01	< 0.01		0.01	0.01		0.04
EQT 068 29-81				< 0.01		0.01	< 0.01		0.01	0.01		0.03
EQT 069 54-81				0.02	0.02	0.08	0.02	0.02	0.08	0.02	0.02	0.08
EQT 071 1-85												
EQT 072 2-85												
EQT 074 5-85										0.01	0.01	0.05
EQT 075 6-85										0.05	0.06	0.21
EQT 076 7-85										0.07	0.08	0.29

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI-ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Ammonia			Benzene			Cumene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 077 9-85															
EQT 078 10-85															
EQT 079 11-85										0.01		0.05	< 0.01		< 0.01
EQT 080 12-85				< 0.01		0.01				< 0.01		0.01			
EQT 081 13-85										0.01		0.04	< 0.01		< 0.01
EQT 082 14-85										0.01		0.04	< 0.01		< 0.01
EQT 083 15-85				< 0.01		< 0.01				< 0.01		< 0.01			
EQT 084 16-85															
EQT 085 17-85										0.01		0.05	< 0.01		< 0.01
EQT 087 19-85															
EQT 088 1-89										0.01	0.46	0.04	< 0.01	0.04	< 0.01
EQT 089 1-91				< 0.01	< 0.01	< 0.01				0.06	0.10	0.06	< 0.01	< 0.01	< 0.01
EQT 090 2-91															
EQT 092 5-91															
EQT 093 6-91															
EQT 094 11-91										< 0.01		< 0.01	< 0.01		< 0.01
EQT 095 12-91										< 0.01		< 0.01	< 0.01		< 0.01
EQT 096 13-91															

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Ethyl benzene			Ethylene			Formaldehyde			Hydrochloric acid			Hydrogen sulfide		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 077 9-85															
EQT 078 10-85															
EQT 079 11-85	< 0.01		0.01												
EQT 080 12-85	< 0.01		0.01												
EQT 081 13-85	< 0.01		0.01												
EQT 082 14-85	0.01		0.03												
EQT 083 15-85	< 0.01		< 0.01												
EQT 084 16-85													< 0.01		< 0.01
EQT 085 17-85	< 0.01		0.01												
EQT 087 19-85															
EQT 088 1-89	< 0.01	0.21	0.01												
EQT 089 1-91	0.01	0.02	0.01												
EQT 090 2-91															
EQT 092 5-91															
EQT 093 6-91															
EQT 094 11-91	< 0.01		< 0.01												
EQT 095 12-91	< 0.01		< 0.01												
EQT 096 13-91															

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Methanol			Methyl Tertiary Butyl Ether			Naphthalene			Nickel (refinery dust)			Polynuclear Aromatic Hydrocarbons		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 077 9-85													< 0.01		< 0.01
EQT 078 10-85													< 0.01		< 0.01
EQT 079 11-85							< 0.01		< 0.01				< 0.01		< 0.01
EQT 080 12-85							< 0.01		< 0.01				< 0.01		0.01
EQT 081 13-85							< 0.01		< 0.01				< 0.01		< 0.01
EQT 082 14-85							< 0.01		0.01						
EQT 083 15-85							< 0.01		< 0.01				< 0.01		< 0.01
EQT 084 16-85															
EQT 085 17-85							< 0.01		< 0.01				< 0.01		< 0.01
EQT 087 19-85															
EQT 088 1-89							< 0.01	0.04	< 0.01				< 0.01	0.01	< 0.01
EQT 089 1-91				0.01	2.61	0.12							< 0.01	< 0.01	< 0.01
EQT 090 2-91				0.13		0.58									
EQT 092 5-91															
EQT 093 6-91															
EQT 094 11-91							< 0.01		< 0.01				< 0.01		< 0.01
EQT 095 12-91							< 0.01		< 0.01				< 0.01		< 0.01
EQT 096 13-91	0.06		0.24												

TPOR0146

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Propylene			Toluene			Xylene (mixed isomers)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 077 9-85												
EQT 078 10-85												
EQT 079 11-85				0.03		0.14	0.05		0.22	0.04		0.17
EQT 080 12-85				< 0.01		0.01	< 0.01		0.01	0.01		0.05
EQT 081 13-85				0.02		0.11	0.04		0.18	0.03		0.13
EQT 082 14-85										0.01		0.06
EQT 083 15-85				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		0.01
EQT 084 16-85												
EQT 085 17-85				0.03		0.14	0.05		0.23	0.04		0.18
EQT 087 19-85										< 0.02	0.02	0.08
EQT 088 1-89				0.02	1.19	0.07	0.03	2.10	0.09	0.02	1.13	0.07
EQT 089 1-91				0.11	0.23	0.12	0.15	0.36	0.16	0.10	0.22	0.11
EQT 090 2-91												
EQT 092 5-91										< 0.03	0.04	0.14
EQT 093 6-91										< 0.01	< 0.01	0.01
EQT 094 11-91				< 0.01		0.01	< 0.01		0.02	< 0.01		< 0.01
EQT 095 12-91				< 0.01		0.01	< 0.01		0.02	< 0.01		< 0.01
EQT 096 13-91												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2000-00003-V0
Air - Title V Regular Permit Initial

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Ammonia			Benzene			Cumene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 097 14-91															
EQT 098 2-92															
EQT 099 1-93				< 0.01		< 0.01				< 0.01		< 0.01	< 0.01		< 0.01
EQT 100 2-93				< 0.01		< 0.01				< 0.01		< 0.01			
EQT 101 LPG															
EQT 102 C5															
EQT 103 TK236															
EQT 105 TK424										< 0.01		< 0.01	< 0.01		< 0.01
EQT 106 TK907				< 0.01		< 0.01									
EQT 107 TK909				< 0.01		< 0.01				< 0.01		< 0.01	< 0.01		< 0.01
EQT 108 1-04															
EQT 111 4-04							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
EQT 112 2-05															
GRP 006 FUG	0.03		0.13	0.06		0.26	0.06		0.26	0.95		4.14	0.08		0.32

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Ethyl benzene			Ethylene			Formaldehyde			Hydrochloric acid			Hydrogen sulfide		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 097 14-91															
EQT 098 2-92															
EQT 099 1-93	< 0.01		< 0.01												
EQT 100 2-93	< 0.01		< 0.01												
EQT 101 LPG															
EQT 102 C5															
EQT 103 TK236															
EQT 105 TK424	< 0.01		< 0.01												
EQT 106 TK907	< 0.01		< 0.01												
EQT 107 TK909	< 0.01		< 0.01												
EQT 108 1-04															
EQT 111 4-04	< 0.01	< 0.01	< 0.01										< 0.01	< 0.01	< 0.01
EQT 112 2-05										< 0.01	< 0.01	< 0.01			
GRP 006 FUG	0.51		2.24	2.18		9.54							0.27		1.17

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Methanol			Methyl Tertiary Butyl Ether			Naphthalene			Nickel (refinery dust)			Polynuclear Aromatic Hydrocarbons		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 097 14-91															
EQT 098 2-92															
EQT 099 1-93							< 0.01		< 0.01				< 0.01		< 0.01
EQT 100 2-93							< 0.01		< 0.01				< 0.01		< 0.01
EQT 101 LPG															
EQT 102 C5															
EQT 103 TK236	< 0.01		0.01												
EQT 105 TK424															
EQT 106 TK907							< 0.01		< 0.01				< 0.01		< 0.01
EQT 107 TK909				< 0.01		< 0.01	< 0.01		< 0.01						
EQT 108 1-04															
EQT 111 4-04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01									
EQT 112 2-05															
GRP 006 FUG	2.78		12.19	2.89		12.66	0.09		0.40				0.24		1.06

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

All phases

	Propylene			Toluene			Xylene (mixed isomers)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 097 14-91										< 0.01	0.02	0.06
EQT 098 2-92	3.72	7.10	5.43									
EQT 099 1-93				< 0.01		0.01	< 0.01		< 0.01	< 0.01		0.01
EQT 100 2-93				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		0.02
EQT 101 LPG	0.03	0.04	0.13									
EQT 102 C5	< 0.01	< 0.01	< 0.01									
EQT 103 TK236												
EQT 105 TK424				< 0.01		< 0.01	< 0.01		< 0.01	< 0.01		0.01
EQT 106 TK907				< 0.01		< 0.01	< 0.01		< 0.01	0.01		0.04
EQT 107 TK909				< 0.01		< 0.01	< 0.01		< 0.01	0.01		< 0.01
EQT 108 1-04										0.02	0.03	0.09
EQT 111 4-04				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
EQT 112 2-05												
GRP 006 FUG	6.33		27.70	2.51		11.00	3.49		15.26	2.18		9.55

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,3-Butadiene: 0.26 tons/yr

2,2,4-Trimethylpentane: 0.54 tons/yr

Ammonia: 15.39 tons/yr

Benzene: 11.78 tons/yr

All phases

Cumene: 0.35 tons/yr
Ethyl benzene: 3.70 tons/yr
Ethylene: 9.57 tons/yr
Formaldehyde: 1.39 tons/yr
Hydrochloric acid: <0.01 tons/yr
Hydrogen sulfide: 8.43 tons/yr
Methanol: 12.59 tons/yr
Methyl Tertiary Butyl Ether: 15.16 tons/yr
n-Hexane: 15.42 tons/yr
Naphthalene: 0.44 tons/yr
Nickel (refinery dust): 0.09 tons/yr
Polynuclear Aromatic Hydrocarbons: 1.16 tons/yr
Propylene: 34.57 tons/yr
Toluene: 16.03 tons/yr
Xylene (mixed isomers): 20.67 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 3116 - Valero Refining Co - Louisiana
Activity Number: PER19960003
Permit Number: 2600-00003-V0
Air - Title V Regular Permit Initial

ARE001 4-77: Wastewater Treatment Plant

1 Wasterwater tanks 99TK851, 852, 857, 859, 860, 861, and 862 are part of the Wastewater Treatment Plant. [LAC 33:III.501.C.6]

2 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with 40 CFR Part 61, Subpart FF in accordance with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

3 The following wastewater system facilities are subject to the requirements of 40 CFR Part 60, Subpart QQQ:
Individual drain systems: MTBE Unit. Isom Unit, Octene Unit, and LPG Storage Area;
Junction boxes associated with the Isom, MTBE, and Octene Units;
Oily Water Separators: Sump A, FCC Sump, MTBE Sump, Isom Sump, and CPS;
Closed vent system & control device. [40 CFR 60.690]

4 Equip each drain with water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(1)]

5 Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)]
Which Months: All Year Statistical Basis: None specified

6 Equipment/operational data monitored by visual inspection/determination once initially and weekly thereafter. Monitor drains out of active service for indications of low water levels or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(a)(3)]
Which Months: All Year Statistical Basis: None specified

7 Equipment/operational data monitored by technically sound method once initially and semiannually thereafter. Monitor the tightly sealed cap or plug over a drain that is out of service to ensure cap or plug are in place and properly installed. Subpart QQQ. [40 CFR 60.692-2(a)(4)]
Which Months: All Year Statistical Basis: None specified

8 Add water or make first attempts at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)]

9 Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-2(b)(1)]

10 Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)]

11 Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)]
Which Months: All Year Statistical Basis: None specified

12 Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)]

13 Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)]

14 Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)]
Which Months: All Year Statistical Basis: None specified

15 Sewer lines: Make repairs as soon as practicable, but not later than 15 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(c)(3)]

16 Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(e)]

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17 Equip and operate each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment with a fixed roof, which meets the specifications in 40 CFR 60.692-3(a)(1) through (a)(5), except as provided in 40 CFR 60.692-3(d) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(a)]

18 Equip and operate each oil-water separator tank or auxiliary equipment with a design capacity to treat more than 16 liters per second (250 gpm) with a closed vent system and control device, which meet the requirements 40 CFR 60.692-5, except as provided in 40 CFR 60.692-3(c) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(b)]

19 Meet the requirements of 40 CFR 60.692-3(a), or comply with the requirements of 40 CFR 60.692-3(a) for the existing fixed roof covering a portion of the separator tank and comply with the requirements for floating roofs in 40 CFR 60.693-2 for the remainder of the separator tank. Subpart QQQ. [40 CFR 60.692-3(c)]

20 Ensure that slop oil from an oil-water separator tank and oily wastewater from slop oil handling equipment is collected, stored, transported, recycled, reused, or disposed of in an enclosed system. Equip equipment used in handling slop oil with a fixed roof meeting the requirements of 40 CFR 60.692-3(a). Subpart QQQ. [40 CFR 60.692-3(e)]

21 Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ. [40 CFR 60.696(a)]

22 Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]

23 Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQQ. [40 CFR 60.697(b)]

24 Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the location, date, and corrective action for inspections required by 40 CFR 60.692-3(a) when a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(c)]

25 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(e)]

26 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]

27 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out of active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQQ. [40 CFR 60.697(g)]

28 Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQQ. Subpart QQQ. [40 CFR 60.698(b)(1)]

29 Submit report: Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQQ. [40 CFR 60.698(c)]

30 Waste stream: Benzene < 10 ppmw (flow-weighted). Subpart FF. [40 CFR 61.348(a)(1)(i)]
Which Months: All Year Statistical Basis: Annual average

31 Demonstrate that each treatment process or wastewater treatment system unit, except as specified in 40 CFR 61.348(d), achieves the appropriate conditions specified in 40 CFR 61.248(a) or (b) in accordance with the requirements in 40 CFR 61.348(c)(1) and (c)(2). Subpart FF. [40 CFR 61.348(c)]

32 Seals and/or openings: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that openings are closed and gasketed properly. Subpart FF. [40 CFR 61.348(e)(1)]
Which Months: All Year Statistical Basis: None specified

33 Make first efforts at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gasket or other problem is identified, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.348(e)(2)]

34 Seal any openings and keep closed at all times when waste is being treated, except during inspection and maintenance, except as specified in 40 CFR 61.348(e)(3). Subpart FF. [40 CFR 61.348(e)]

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35 Benzene monitored by the regulation's specified method(s) monthly. Measure the benzene concentration of the waste stream exiting the treatment process by collecting and analyzing one or more samples using the procedures specified in 40 CFR 61.355(c)(3). Subpart FF. [40 CFR 61.354(a)(1)]
Which Months: All Year Statistical Basis: None specified

36 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

37 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

ARE002 1-05: Startup and Shutdown

38 Ethyl benzene <= 0.21 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: High 7 day average

EQT023 1-76: Tank 30-3

39 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

40 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

41 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

42 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

43 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

44 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

45 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

46 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

47 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

48 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

49 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

50 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

EQT023 **1-76: Tank 30-3**

51 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

52 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

53 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

54 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

55 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

56 NSPS Subpart K for Group 2 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110]

57 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

58 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

59 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

60 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

61 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

62 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT024 **2-76: Tank 30-4**

63 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

64 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

65 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

66 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

67 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

68 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

69 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

70 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT024 2-76: Tank 30-4

71 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

72 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

73 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

74 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

75 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

76 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

77 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

78 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

79 NSPS Subpart K for Group 2 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110]

80 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

81 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

82 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

83 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

84 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

85 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT025 3-76: Tank 55-1

86 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

87 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

88 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

89 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

EQT025 **3-76: Tank 55-1**

90 Seal gap area <= 1 0 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1 /8 inch (0.32 cm) in width. [LAC 33:III.21 03.D.2.d]
Which Months: All Year Statistical Basis: None specified

91 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21 03.D.2.e]
Which Months: All Year Statistical Basis: None specified

92 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21 03.D.2.e]
Which Months: All Year Statistical Basis: None specified

93 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21 03.D.2.e]
Which Months: All Year Statistical Basis: None specified

94 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21 03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21 03.D.2.e]

95 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21 03.D.3]

96 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21 03.D.3]

97 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21 03.D]

98 Determine compliance with LAC 33:III.21 03.D.2 and 4 using the methods in LAC 33:III.21 03.H.1. [LAC 33:III.21 03.H.1]

99 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21 03.H.3.a-e. [LAC 33:III.21 03.H.3]

100 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21 03.I.1 - 7, as applicable. [LAC 33:III.21 03.I]

101 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.51 09.A]

102 NSPS Subpart K for Group 2 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110]

103 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

104 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

105 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

106 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

107 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

108 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT026 **1-78: Crude Reformer (H-2001)**

EQT026 1-78: Crude Reformer (H-2001)

109 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

110 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

111 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

112 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

113 Permittee shall continue to operate the oxygen flue gas monitor on this heater to monitor a representative sample of the flue gas. Records of the data shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

114 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

115 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

116 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

117 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

118 Submit the initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT027 2-78: Hydrotreater Charge Heater (H-2003)

119 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

120 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

121 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

122 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

123 Permittee shall continue to operate the oxygen flue gas monitor on this heater to monitor a representative sample of the flue gas. Records of the data shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

EQT027 2-78: Hydrotreater Charge Heater (H-2003)

124 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

125 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

126 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

127 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

128 Submit the initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT028 3-78: Hydrotreater Stabilizer Reboiler (H-2004)

129 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

130 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

131 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

132 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

133 Permittee shall continue to operate the oxygen flue gas monitor on this heater to monitor a representative sample of the flue gas. Records of the data shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

134 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

135 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

136 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

137 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

138 Submit the initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT029 4-78: Reformer Stabilizer Reboiler (H-2002)

139 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

EQT029 4-78: Reformer Stabilizer Reboiler (H-2002)

140 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

141 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

142 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

143 Permittee shall continue to operate the oxygen flue gas monitor on this heater to monitor a representative sample of the flue gas. Records of the data shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

144 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

145 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

146 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

147 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

148 Submit the initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT030 7-78: Steam Boiler (B-8001)

149 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

150 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

151 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

152 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

153 Permittee shall continue to operate the oxygen flue gas monitor on this heater to monitor a representative sample of the flue gas. Records of the data shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

154 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

EQT030 7-78: Steam Boiler (B-8001)

155 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

156 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

157 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

158 Submit the initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT031 8-78: Crude Unit Flare

159 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified

160 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33:III.1105]

161 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

162 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

163 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

164 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintian control efficiency of 98% - determined as MACT. [LAC 33:III.5109.A]

165 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

166 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

167 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

168 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

169 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]

170 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]

EQT031 8-78: Crude Unit Flare

171 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
Which Months: All Year Statistical Basis: None specified

172 Exit Velocity < 60 ft/sec (Vmax). Determine Vmax using the method specified in 40 CFR 60.18(f)(6). Subpart A. [40 CFR 60.18(c)(5)]
Which Months: All Year Statistical Basis: None specified

173 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]

174 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]

175 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
Which Months: All Year Statistical Basis: None specified

176 Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]

177 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]

178 Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]

179 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]

180 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]
Which Months: All Year Statistical Basis: None specified

181 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
Which Months: All Year Statistical Basis: None specified

182 Exit Velocity < 60 ft/sec (Vmax). Determine Vmax using the equation specified in 40 CFR 63.11(b)(8). Subpart A. [40 CFR 63.11(b)(8)]
Which Months: All Year Statistical Basis: None specified

183 Meet the requirements of 40 CFR 63.11(b). Subpart CC. [40 CFR 63.643(a)(1)]

184 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]
Which Months: All Year Statistical Basis: None specified

185 Presence of a flame monitored by the regulation's specified method(s) continuously. Use a device (including, but not limited to, a thermocouple, an ultraviolet bean sensor, or an infrared sensor) capable of continuously detecting the presence of a pilot flame. Subpart CC. [40 CFR 63.644(a)(2)]
Which Months: All Year Statistical Basis: None specified

186 Demonstrate compliance with 40 CFR 63.643 by following 40 CFR 63.116 except for 63.116(a)(1), (d) and (e), except as provided in 40 CFR 63.645(b) through (d) and (i). Subpart CC. [40 CFR 63.645(a)]

187 Equipment/operational data recordkeeping by recorder hourly. Keep the records specified in 40 CFR 63.654(i)(3)(i) through (i)(3)(v). Subpart CC. [40 CFR 63.654(i)(3)]

EQT032 9-78: Tank 15-1

188 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

189 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

EQT032 **9-78: Tank 15-1**

190 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

191 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

192 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

193 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

194 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

195 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

196 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

197 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

198 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

199 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

200 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

201 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

202 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

203 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

204 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

205 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

206 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

207 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

208 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

EQT032 **9-78: Tank 15-1**

209 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

210 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT033 **10-78: Tank 15-2**

211 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

212 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

213 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

214 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

215 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

216 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

217 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

218 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

219 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

220 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

221 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

222 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

223 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

224 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

225 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

EQT033 10-78: Tank 15-2

226 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

227 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

228 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

229 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

230 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

231 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

232 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

233 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT034 15-78: Tank 30-5

234 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

235 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

236 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

237 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

238 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

239 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

240 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

241 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

242 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

243 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

244 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

245 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT034 15-78: Tank 30-5

246 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

247 NSPS Subpart K for Group 2 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110]

248 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

249 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

250 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

251 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

252 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

253 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT035 16-78: Tank 30-6

254 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

255 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

256 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

257 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

258 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

259 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

260 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

261 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

262 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

263 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

EQT035 **16-78: Tank 30-6**

264 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

265 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

266 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

267 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

268 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

269 NSPS Subpart K for Group 2 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110]

270 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

271 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

272 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

273 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

274 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

275 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT036 **17-78: Tank 30-7**

276 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

277 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33:III.2103.C.1.a]

278 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]

279 Equip internal floating roof with 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. [LAC 33:III.2103.C.1.c]

280 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.2103.C.2]

281 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

282 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

283 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT036 **17-78: Tank 30-7**

284 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

285 NSPS Subpart K for Group 2 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110]

286 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

287 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

288 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

289 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

290 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

291 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT037 **18-78: Tank 30-8**

292 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

293 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33:III.2103.C.1.a]

294 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]

295 Equip internal floating roof with 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. [LAC 33:III.2103.C.1.c]

296 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.2103.C.2]

297 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

298 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

299 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

300 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

301 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

302 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT037 18-78: Tank 30-8

303 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

304 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

305 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

306 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

307 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

308 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

309 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

310 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

311 NSPS Subpart K for Group 2 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110]

312 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

313 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

314 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

315 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

316 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

317 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT038 20-78: Tank 5-1

318 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Wastewater tank with internal floating roof. No further control is required. [LAC 33:III.5109.A]

EQT039 21-78: Tank 55-2

319 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

EQT039 **21-78: Tank 55-2**

320 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

321 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

322 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

323 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

324 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

325 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

326 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

327 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

328 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

329 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

330 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

331 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

332 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

333 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

334 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

335 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

336 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

337 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

338 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

EQT039 21-78: Tank 55-2

339 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

340 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

341 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT040 22-78: Tank 55-3

342 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

343 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

344 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

345 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

346 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

347 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

348 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

349 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

350 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

351 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

352 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

353 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

354 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

355 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT040 22-78: Tank 55-3

356 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

357 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

358 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

359 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

360 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

361 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

362 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

363 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

364 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT041 23-78: Tank 55-4

365 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

366 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

367 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

368 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

369 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

370 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

371 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

372 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

373 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

EQT041 23-78: Tank 55-4

374 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

375 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

376 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

377 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

378 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

379 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

380 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

381 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

382 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

383 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

384 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

385 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

386 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

387 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT042 24-78: Tank 55-5

388 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

389 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

390 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

391 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

392 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT042 **24-78: Tank 55-5**

393 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

394 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

395 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

396 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

397 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

398 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

399 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

400 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

401 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

402 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

403 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

404 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

405 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

406 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

407 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

408 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

409 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

410 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT043 **25-78: Tank 55-6**

EQT043 **25-78: Tank 55-6**

411 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

412 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

413 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

414 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

415 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

416 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

417 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

418 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

419 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

420 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

421 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

422 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

423 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

424 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

425 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

426 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

427 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

428 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

429 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

EQT043 **25-78: Tank 55-6**

430 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

431 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

432 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

433 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)] .

EQT044 **1-79: Tank 55-7**

434 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

435 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

436 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

437 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

438 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

439 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

440 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

441 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

442 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

443 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

444 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

445 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

446 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

EQT044 1-79: Tank 55-7

447 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

448 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

449 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

450 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

451 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

452 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

453 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

454 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

455 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

456 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT045 2-79: Tank 80-1

457 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

458 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

459 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

460 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

461 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

462 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

463 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

464 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

465 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

EQT045 2-79: Tank 80-1

466 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

467 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

468 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

469 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

470 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

471 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

472 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

473 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

474 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

475 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

476 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

477 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

478 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

479 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT046 3-79: Tank 80-2

480 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

481 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

482 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

483 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

484 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT046 **3-79: Tank 80-2**

485 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

486 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

487 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

488 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

489 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

490 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

491 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

492 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

493 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

494 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

495 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

496 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

497 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

498 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

499 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

500 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

501 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

502 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT047 **4-79: Tank 80-3**

EQT047 4-79: Tank 80-3

503 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

504 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. [40 CFR 60.115a]

EQT048 5-79: Tank 80-4

505 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

506 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. [40 CFR 60.115a]

EQT049 6-79: Tank 80-5

507 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

508 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

509 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

510 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

511 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

512 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

513 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

514 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

515 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

516 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

517 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

EQT049 **6-79: Tank 80-5**

518 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

519 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

520 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

521 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

522 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

523 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

524 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

525 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

526 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

527 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

528 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

529 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT050 **7-79: Tank 80-6**

530 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

531 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. [40 CFR 60.115a]

EQT051 **8-79: Tank 80-7**

532 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

533 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. [40 CFR 60.115a]

EQT052 **9-79: Tank 80-8**

534 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

535 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

EQT052 **9-79: Tank 80-8**

536 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

537 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

538 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

539 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

540 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

541 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

542 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

543 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

544 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

545 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

546 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

547 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

548 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

549 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

550 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

551 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

552 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

553 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

554 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

EQT052 9-79: Tank 80-8

555 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

556 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT053 10-79: Tank 80-9

557 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

558 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

559 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

560 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

561 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

562 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

563 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

564 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

565 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

566 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

567 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

568 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

569 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

570 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

571 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

EQT053 10-79: Tank 80-9

572 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

573 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

574 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

575 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

576 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

577 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

578 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

579 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT054 11-79: Tank 80-10

580 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

581 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

582 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

583 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

584 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

585 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

586 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

587 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

588 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

589 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

EQT054 11-79: Tank 80-10

590 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

591 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

592 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

593 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

594 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

595 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

596 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

597 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

598 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

599 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

600 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

601 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

602 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT055 12-79: Tank 100-1

603 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

604 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

605 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

606 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

607 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

608 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

609 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT055 12-79: Tank 100-1

610 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

611 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

612 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

613 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

614 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

615 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

616 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

617 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

618 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

619 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

620 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

621 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

622 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

623 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

624 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

625 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT056 13-79: Tank 100-2

626 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

627 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

EQT056 13-79: Tank 100-2

628 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

629 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

630 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

631 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

632 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

633 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

634 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

635 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

636 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

637 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

638 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

639 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

640 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

641 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

642 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

643 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

644 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

645 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

646 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

EQT056 **13-79: Tank 100-2**

647 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

648 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT057 **14-79: Tank 125-1**

649 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

650 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

651 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

652 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

653 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

654 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

655 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

656 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

657 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

658 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

659 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

660 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

661 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

662 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

663 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

EQT057 14-79: Tank 125-1

664 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

665 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

666 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

667 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

668 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

669 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

670 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

671 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT058 15-79: Tank 100-4

672 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

673 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

674 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

675 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

676 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

677 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

678 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

679 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

680 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

681 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

EQT058 15-79: Tank 100-4

682 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

683 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

684 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

685 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

686 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

687 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

688 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

689 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

690 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

691 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

692 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

693 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

694 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT059 17-79: Tank 150-1

695 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

696 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

697 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

698 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

699 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

700 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

701 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT059 17-79: Tank 150-1

702 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

703 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

704 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

705 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

706 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

707 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

708 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

709 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

710 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

711 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

712 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

713 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

714 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

715 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

716 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

717 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT060 18-79: Tank 150-2

718 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

719 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

EQT060 **18-79: Tank 150-2**

720 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

721 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

722 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

723 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

724 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

725 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

726 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

727 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

728 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

729 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

730 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

731 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

732 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

733 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

734 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

735 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

736 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

737 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

738 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

EQT060 18-79: Tank 150-2

739 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

740 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT061 20-79: Crude Heater (H-2301)

741 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

742 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

743 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

744 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

745 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

746 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

747 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

748 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

749 Submit initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT062 23-79: Dock 3 Loading

750 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

751 Comply with the recordkeeping requirements of 40 CFR 63.567(j)(4) and the emission estimation requirements of 40 CFR 63.565(l). Subpart Y. [40 CFR 63.560(a)(3)]

752 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

753 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

EQT063 24-79: Dock 4 Loading

754 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

EQT063 24-79: Dock 4 Loading

755 Comply with the recordkeeping requirements of 40 CFR 63.567(j)(4) and the emission estimation requirements of 40 CFR 63.565(l). Subpart Y. [40 CFR 63.560(a)(3)]

756 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

757 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

EQT064 1-81: Tank 55-8

758 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

759 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

760 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

761 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

762 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

763 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

764 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

765 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

766 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

767 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

768 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

769 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

770 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

771 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

772 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

773 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

EQT064 1-81: Tank 55-8

774 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

775 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

776 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

777 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

778 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

779 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

780 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT065 2-81: Tank 55-9

781 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

782 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

783 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

784 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

785 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

786 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

787 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

788 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

789 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

790 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

EQT065 **2-81: Tank 55-9**

791 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

792 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

793 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

794 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

795 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

796 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

797 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

798 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

799 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

800 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

801 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

802 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

803 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT066 **3-81: Tank 55-10**

804 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

805 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

806 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

807 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

808 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

809 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

810 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT066 3-81: Tank 55-10

811 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

812 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

813 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

814 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

815 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

816 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

817 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

818 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

819 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

820 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

821 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

822 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

823 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

824 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

825 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

826 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT067 28-81: Tank 100-5

827 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

828 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

EQT067 **28-81: Tank 100-5**

829 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

830 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

831 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

832 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

833 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

834 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

835 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

836 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

837 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

838 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

839 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

840 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

841 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

842 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

843 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

844 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

845 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

846 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

847 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

EQT067 28-81: Tank 100-5

848 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

849 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT068 29-81: Tank 100-6

850 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

851 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

852 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

853 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

854 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

855 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

856 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

857 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

858 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

859 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

860 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

861 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

862 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

863 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

864 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

EQT068 29-81: Tank 100-6

865 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

866 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

867 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

868 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

869 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

870 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

871 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

872 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT069 54-81: Cooling Towers (CT-8206 & 8006)

873 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

EQT071 1-85: Fluid Catalytic Cracking Unit

874 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

875 Opacity <= 30 percent, except for one six-minute average opacity reading in any one hour period. [LAC 33:III.1311.D]
Which Months: All Year Statistical Basis: Six-minute average

876 Sulfur dioxide <= 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Statistical Basis: Three-hour average

877 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60, Appendix B, and quality assured by the procedures in 40 CFR 60, Appendix F. [LAC 33:III.1511.A]
Which Months: All Year Statistical Basis: None specified

878 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

879 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

880 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513]

EQT071 **1-85: Fluid Catalytic Cracking Unit**

881 To ensure compliance with the emission limits for SO2 (819.06 TPY), NOx (180.02), and CO (160.00), continuous emissions monitoring systems (CMES) shall be installed, operated, and maintained in accordance with 40 CFR 60, Appendix B - Performance Specifications. Permittee shall demonstrate compliance by calculating SO2, NOx, and CO emissions each month, as well as emissions for the last twelve months. Total emissions for any twelve consecutive month period from this FCC Unit above the maximum annual emission rates given in this specific requirement shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the calculated SO2, NOx, and CO emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.501.C.6]

882 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with 40 CFR 63 Subpart UUU as MACT. [LAC 33:III.5109.A]

883 Total suspended particulate <= 1 kg/Mg (2.0 lb/ton) of coke burn-off, except as specified in 40 CFR 60.102(b). Subpart J. [40 CFR 60.102(a)(1)]
Which Months: All Year Statistical Basis: None specified

884 Opacity <= 30 percent, except for one six-minute average opacity reading in any one hour period. Subpart J. [40 CFR 60.102(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average

885 Carbon monoxide <= 500 ppmv (dry basis). Subpart J. [40 CFR 60.103(a)]
Which Months: All Year Statistical Basis: None specified

886 Opacity monitored by continuous opacity monitor (COM) continuously. Subpart J. [40 CFR 60.105(a)(1)]
Which Months: All Year Statistical Basis: None specified

887 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.105(a)(2)(ii). Subpart J. [40 CFR 60.105(a)(2)]
Which Months: All Year Statistical Basis: None specified

888 Rc & operating hours recordkeeping by electronic or hard copy daily. Record the average coke burn-off rate (Mg (tons) per hour) and hours of operation. Subpart J. [40 CFR 60.105(c)]

889 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

890 Opacity <= 30 percent, except for one 6-minute average opacity reading in any 1-hour period, if the discharged gases pass through an incinerator or waste heat boiler in which you burn auxiliary or in supplemental liquid or solid fossil fuel. Subpart UUU. [40 CFR 63.1564(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average

891 Opacity monitored by continuous opacity monitor (COM) continuously. Subpart UUU. [40 CFR 63.1564(b)(1)]
Which Months: All Year Statistical Basis: Six-minute average

892 Determine initial compliance with emission limitations using the procedures in 40 CFR 63.1564(b)(4) and (b)(5). Subpart UUU. [40 CFR 63.1564(b)]

893 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 1 and 2 according to the methods specified in 40 CFR 63 Subpart UUU Tables 6 and 7, and in 40 CFR 63.1564(c)(3) and (c)(4), as applicable. Subpart UUU. [40 CFR 63.1564(c)(1)]

894 Carbon monoxide <= 500 ppmv (dry basis). Subpart UUU. [40 CFR 63.1565(a)(1)]
Which Months: All Year Statistical Basis: None specified

895 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, except as specified in 40 CFR 63.1565(b)(1)(i) through (b)(1)(iii). Subpart UUU. [40 CFR 63.1565(b)(1)]
Which Months: All Year Statistical Basis: None specified

896 Demonstrate initial compliance with each applicable emission limitation according to 40 CFR 63 Subpart UUU Table 12. Subpart UUU. [40 CFR 63.1565(b)(4)]

897 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 8 and 9 according to the methods specified in 40 CFR 63 Subpart UUU Tables 13 and 14. Subpart UUU. [40 CFR 63.1565(c)(1)]

EQT072 2-85: Ammonium Thiosulfate Unit

898 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

899 Routing of Sour Water Stripper Off Gas to incineration shall not exceed 1,440 hours per year. Records of the routing time to incineration for each month and for the last twelve months shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Routing of Sour Water Stripper Off Gas to the ATS incinerator for a time greater than 1,440 hours for any twelve consecutive month period shall be a violateion of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the routing time and routing for Sour Water Stripper Off Gas shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.501.C.6]

EQT073 3-85: FCCU Charge Heater (H-4201)

900 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

901 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

902 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

903 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

904 Permittee shall install oxygen flue gas monitor in this combustion unit to continuously monitor a representative sample of the flue gas. Feedback controls from the oxygen monitor shall continuously maintain low excess air (LEA) air/fuel ratio parameter in the combustion mixture. This unit shall be fired only under LEA conditions. Performance test shall be conducted and operating procedurews established in accordance with "Use of Flue Gas Oxygen Meter as BACT for Combustion Controls." (PSD-LA-232). [LAC 33:III.509]

905 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

906 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

907 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

908 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

909 Submit initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT074 5-85: FCC Unit Flare

EQT074 **5-85: FCC Unit Flare**

910 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified

911 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33:III.1105]

912 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

913 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

914 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

915 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintain control efficiency of 98% - determined as MACT. [LAC 33:III.5109.A]

916 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

917 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

918 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

919 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

920 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]

921 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]

922 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
Which Months: All Year Statistical Basis: None specified

923 Exit Velocity < 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
Which Months: All Year Statistical Basis: None specified

924 Exit Velocity >= 60 and < 400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(ii)]
Which Months: All Year Statistical Basis: None specified

925 Exit Velocity < 400 ft/sec (122 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4), and less than the velocity Vmax, as determined by the method specified in 40 CFR 60.18(f)(5). Subpart A. [40 CFR 60.18(c)(4)(iii)]
Which Months: All Year Statistical Basis: None specified

926 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]

EQT074 5-85: FCC Unit Flare

927 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]

928 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
Which Months: All Year Statistical Basis: None specified

929 Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]

930 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]

931 Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]

932 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]

933 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]
Which Months: All Year Statistical Basis: None specified

934 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
Which Months: All Year Statistical Basis: None specified

935 Exit Velocity < 60 ft/sec (18.3 m/sec), as determined using the method specified in 40 CFR 63.11(b)(7)(i). Subpart A. [40 CFR 63.11(b)(7)(i)]
Which Months: All Year Statistical Basis: None specified

936 Exit Velocity >= 60 and < 400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 63.11(b)(7)(i). Subpart A. [40 CFR 63.11(b)(7)(ii)]
Which Months: All Year Statistical Basis: None specified

937 Exit Velocity < 400 ft/sec and Vmax, as determined by the method specified in 40 CFR 63.11(b)(7)(i). Determine Vmax using the method specified in 40 CFR 63.11(b)(7)(iii). Subpart A. [40 CFR 63.11(b)(7)(iii)]
Which Months: All Year Statistical Basis: None specified

938 Meet the requirements of 40 CFR 63.11(b). Subpart CC. [40 CFR 63.643(a)(1)]

939 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]
Which Months: All Year Statistical Basis: None specified

940 Presence of a flame monitored by the regulation's specified method(s) continuously. Use a device (including, but not limited to, a thermocouple, an ultraviolet bean sensor, or an infrared sensor) capable of continuously detecting the presence of a pilot flame. Subpart CC. [40 CFR 63.644(a)(2)]
Which Months: All Year Statistical Basis: None specified

941 Demonstrate compliance with 40 CFR 63.643 by following 40 CFR 63.116 except for 63.116(a)(1), (d) and (e), except as provided in 40 CFR 63.645(b) through (d) and (i). Subpart CC. [40 CFR 63.645(a)]

942 Equipment/operational data recordkeeping by recorder hourly. Keep the records specified in 40 CFR 63.654(i)(3)(i) through (i)(3)(v). Subpart CC. [40 CFR 63.654(i)(3)]

EQT075 6-85: Steam Boiler (B-8202)

943 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

EQT075 6-85: Steam Boiler (B-8202)

944 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

945 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

946 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

947 Permittee shall continue to operate the oxygen flue gas monitor on this boiler to monitor a representative sample of the flue gas. Records of the data shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

948 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

949 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

950 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

951 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

952 Submit initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT076 7-85: Steam Boiler (B-8203)

953 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

954 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

955 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

956 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

957 Permittee shall continue to operate the oxygen flue gas monitor on this boiler to monitor a representative sample of the flue gas. Records of the data shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

958 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

EQT076 **7-85: Steam Boiler (B-8203)**

959 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

960 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

961 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

962 Submit initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT077 **9-85: Tank 80-11**

963 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

964 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. [40 CFR 60.115a]

EQT078 **10-85: Tank 80-12**

965 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT079 **11-85: Tank 80-15**

966 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

967 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. [40 CFR 60.115a]

EQT080 **12-85: Tank 80-14**

968 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT081 **13-85: Tank 55-11**

969 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT082 **14-85: Tank 55-12**

970 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT083 **15-85: Tank 25-1**

EQT083 15-85: Tank 25-1

971 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Wastewater tank with internal floating roof. No further control is required. [LAC 33:III.5109.A]

EQT084 16-85: Tank 25-2

972 Class III TAP - MACT is not required. [LAC 33:III.5109.A]

EQT085 17-85: Tank 80-13

973 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT086 18-85: Dock 5 Loading

974 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

975 Comply with the recordkeeping requirements of 40 CFR 63.567(j)(4) and the emission estimation requirements of 40 CFR 63.565(l). Subpart Y. [40 CFR 63.560(a)(3)]

976 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

977 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

EQT087 19-85: Steam Boiler (B-8002)

978 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

979 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

980 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

981 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

982 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

983 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

984 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

985 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

EQT087 19-85: Steam Boiler (B-8002)

986 Submit initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT088 1-89: Truck Rack

987 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system. [LAC 33:III.2107.B]

988 VOC, Total >= 90 % DRE, using a vapor disposal system. [LAC 33:III.2107.B]
Which Months: All Year Statistical Basis: None specified

989 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. [LAC 33:III.2107.B]

990 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]
Which Months: All Year Statistical Basis: None specified

991 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]

992 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. [LAC 33:III.2107.D]

993 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate. [LAC 33:III.2107.E]

994 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

995 Equip with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading. Subpart XX. [40 CFR 60.502(a)]

996 Total Organic Compounds (TOC) <= 35 mg/l of gasoline loaded, except as noted in 40 CFR 60.502(c). Subpart XX. [40 CFR 60.502(b)]
Which Months: All Year Statistical Basis: None specified

997 Limit loadings of liquid product into gasoline tank trucks that are vapor-tight using the procedures specified in 40 CFR 60.502(e)(1) through (e)(6). Subpart XX. [40 CFR 60.502(e)]

998 Act to assure that loadings of gasoline tank trucks are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. Subpart XX. [40 CFR 60.502(f)]

999 Act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck. Subpart XX. [40 CFR 60.502(g)]

1000 Ensure that the liquid loading equipment is designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. Subpart XX. [40 CFR 60.502(h)]

1001 Presence of a leak monitored by technically sound method monthly. Monitor for total organic compounds liquid or vapor leaks. Record each detection of a leak and repair within 15 calendar days after detection. Subpart XX. [40 CFR 60.502(j)]
Which Months: All Year Statistical Basis: None specified

1002 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.503, except as provided in 40 CFR 60.8(b), in conducting performance tests required in 40 CFR 60.8. Subpart XX. [40 CFR 60.503(a)]

1003 Determine compliance with the standards in 40 CFR 60.502 using the test methods and procedures specified in 40 CFR 60.503(b) through (d). Subpart XX. [40 CFR 60.503]

1004 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 60.505(a) through (f). Subpart XX. [40 CFR 60.505]

EQT088 1-89: Truck Rack

1005 Comply with the recordkeeping and reporting provisions in 40 CFR 63.428 (b) and (c), (g)(1), and (h)(1) through (h)(3) of 40 CFR 63 Subpart R. Subpart CC. [40 CFR 63.654(b)]

EQT089 1-91: Marine Loading Vapor Recovery

1006 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

1007 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

1008 VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system. [LAC 33:III.2108.C.2]
Which Months: All Year Statistical Basis: None specified

1009 Comply with the requirements of LAC 33:III.2108 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2108 as a result of a revision of LAC 33:III.2108. [LAC 33:III.2108.D.4]

1010 Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate. [LAC 33:III.2108.E]

1011 Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2108.E. [LAC 33:III.2108.F.1]

1012 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable. [LAC 33:III.2108.F.2]

1013 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. [LAC 33:III.2108.G.1]

1014 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere. [LAC 33:III.2108.G.2]

1015 Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order. [LAC 33:III.2108.G.3]

1016 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emissions are controlled by a vapor destruction system (flare) as required by the Louisiana Refinery MACT Determination dated July 26, 1994. [LAC 33:III.5109.A]

1017 Comply with the recordkeeping requirements of 40 CFR 63.567(j)(4) and the emission estimation requirements of 40 CFR 63.565(l). Subpart Y. [40 CFR 63.560(a)(3)]

1018 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

1019 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

EQT090 2-91: Tank 10-2

1020 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

1021 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]

EQT090 2-91: Tank 10-2

1022 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

1023 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1024 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

1025 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

1026 Equip with a fixed roof in combination with an internal floating roof. 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. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]

1027 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

1028 Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]

1029 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. Equip 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 with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close 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. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. 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. 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. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]

1030 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
Which Months: All Year Statistical Basis: None specified

1031 Tank roof and seals monitored by visual inspection/determination annually. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
Which Months: All Year Statistical Basis: None specified

1032 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
Which Months: All Year Statistical Basis: None specified

EQT090 **2-91: Tank 10-2**

1033 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, 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 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

1034 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

1035 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

1036 Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (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). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

1037 Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

1038 Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 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 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]

1039 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

1040 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

1041 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

1042 Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]
Which Months: All Year Statistical Basis: None specified

1043 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

1044 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

1045 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

1046 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

EQT090 2-91: Tank 10-2

1047 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1048 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT091 3-91: Tank 30-10

1049 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

1050 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]

1051 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

1052 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1053 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

1054 Equip with a fixed roof in combination with an internal floating roof. 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. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]

1055 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

1056 Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]

1057 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. Equip 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 with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close 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. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. 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. 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. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]

1058 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
Which Months: All Year Statistical Basis: None specified

EQT091 **3-91: Tank 30-10**

1059 Tank roof and seals monitored by visual inspection/determination annually. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
Which Months: All Year Statistical Basis: None specified

1060 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
Which Months: All Year Statistical Basis: None specified

1061 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, 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 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

1062 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

1063 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

1064 Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (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). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

1065 Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

1066 Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 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 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]

1067 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

1068 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

1069 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

1070 Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]
Which Months: All Year Statistical Basis: None specified

EQT091 3-91: Tank 30-10

1071 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

1072 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

1073 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

1074 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

1075 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1076 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT092 5-91: Steam Boiler (B-8003)

1077 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

1078 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

1079 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

1080 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

1081 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

1082 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

1083 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

1084 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

1085 Submit initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT093 6-91: Isomerization Heater (H-1501)

1086 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

EQT093 6-91: Isomerization Heater (H-1501)

1087 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

1088 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

1089 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

1090 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

1091 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

1092 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

1093 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

1094 Submit initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT094 11-91: Tank 10-1

1095 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT095 12-91: Tank 10-6

1096 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.501.C.6]

EQT096 13-91: Tank 30-9

1097 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

1098 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]

1099 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

1100 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1101 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT096 **13-91: Tank 30-9**

1102 Class III TAP - MACT is not required. [LAC 33:III.5109.A]

1103 Equip with a fixed roof in combination with an internal floating roof. 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. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]

1104 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

1105 Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]

1106 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. Equip 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 with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close 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. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. 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. 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. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]

1107 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
Which Months: All Year Statistical Basis: None specified

1108 Tank roof and seals monitored by visual inspection/determination annually. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
Which Months: All Year Statistical Basis: None specified

1109 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
Which Months: All Year Statistical Basis: None specified

1110 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, 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 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

EQT096 **13-91: Tank 30-9**

1111 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

1112 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

1113 Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (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). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

1114 Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

1115 Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 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 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]

1116 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

1117 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

1118 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

1119 Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]
Which Months: All Year Statistical Basis: None specified

1120 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

1121 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

1122 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

1123 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

1124 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1125 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT097 **14-91: Steam Boiler (B-8201)**

EQT097 14-91: Steam Boiler (B-8201)

1126 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

1127 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

1128 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

1129 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

1130 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

1131 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

1132 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

1133 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

1134 Submit initial notification required by 40 CFR 63.9(b) per 40 CFR 63.7506(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT098 2-92: Rail Car Loading

1135 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system. [LAC 33:III.2107.B]

1136 VOC, Total >= 90 % DRE, using a vapor disposal system. [LAC 33:III.2107.B]
Which Months: All Year Statistical Basis: None specified

1137 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. [LAC 33:III.2107.B]

1138 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]
Which Months: All Year Statistical Basis: None specified

1139 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]

1140 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. [LAC 33:III.2107.D]

1141 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate. [LAC 33:III.2107.E]

1142 Comply with the recordkeeping and reporting provisions in 40 CFR 63.428 (b) and (c), (g)(1), and (h)(1) through (h)(3) of 40 CFR 63 Subpart R. Subpart CC. [40 CFR 63.654(b)]

EQT099 1-93: Tank 3-2

1143 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

1144 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]

1145 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1146 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

1147 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

1148 NSPS Subpart Ka for Group 1 storage tank is superseded by 40 CFR 63 Subpart CC. [40 CFR 60.110a]

1149 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

1150 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

1151 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

1152 Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)]

1153 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1154 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

EQT100 2-93: Tank 8-1

1155 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 - determined as MACT. [LAC 33:III.5109.A]

EQT101 LPG: LPG Loading

1156 Equip with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading. Subpart XX. [40 CFR 60.502(a)]

1157 Total Organic Compounds (TOC) <= 35 mg/l of gasoline loaded, except as noted in 40 CFR 60.502(c). Subpart XX. [40 CFR 60.502(b)]
Which Months: All Year Statistical Basis: None specified

1158 Limit loadings of liquid product into gasoline tank trucks that are vapor-tight using the procedures specified in 40 CFR 60.502(e)(1) through (e)(6). Subpart XX. [40 CFR 60.502(e)]

1159 Act to assure that loadings of gasoline tank trucks are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. Subpart XX. [40 CFR 60.502(f)]

1160 Act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck. Subpart XX. [40 CFR 60.502(g)]

1161 Ensure that the liquid loading equipment is designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. Subpart XX. [40 CFR 60.502(h)]

EQT101 LPG: LPG Loading

1162 Presence of a leak monitored by technically sound method monthly. Monitor for total organic compounds liquid or vapor leaks. Record each detection of a leak and repair within 15 calendar days after detection. Subpart XX. [40 CFR 60.502(j)]
Which Months: All Year Statistical Basis: None specified

1163 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.503, except as provided in 40 CFR 60.8(b), in conducting performance tests required in 40 CFR 60.8. Subpart XX. [40 CFR 60.503(a)]

1164 Determine compliance with the standards in 40 CFR 60.502 using the test methods and procedures specified in 40 CFR 60.503(b) through (d). Subpart XX. [40 CFR 60.503]

1165 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 60.505(a) through (f). Subpart XX. [40 CFR 60.505]

EQT102 C5: C5 Loading

1166 Equip with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading. Subpart XX. [40 CFR 60.502(a)]

1167 Total Organic Compounds (TOC) <= 35 mg/l of gasoline loaded, except as noted in 40 CFR 60.502(c). Subpart XX. [40 CFR 60.502(b)]
Which Months: All Year Statistical Basis: None specified

1168 Limit loadings of liquid product into gasoline tank trucks that are vapor-tight using the procedures specified in 40 CFR 60.502(e)(1) through (e)(6). Subpart XX. [40 CFR 60.502(e)]

1169 Act to assure that loadings of gasoline tank trucks are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. Subpart XX. [40 CFR 60.502(f)]

1170 Act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck. Subpart XX. [40 CFR 60.502(g)]

1171 Ensure that the liquid loading equipment is designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. Subpart XX. [40 CFR 60.502(h)]

1172 Presence of a leak monitored by technically sound method monthly. Monitor for total organic compounds liquid or vapor leaks. Record each detection of a leak and repair within 15 calendar days after detection. Subpart XX. [40 CFR 60.502(j)]
Which Months: All Year Statistical Basis: None specified

1173 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.503, except as provided in 40 CFR 60.8(b), in conducting performance tests required in 40 CFR 60.8. Subpart XX. [40 CFR 60.503(a)]

1174 Determine compliance with the standards in 40 CFR 60.502 using the test methods and procedures specified in 40 CFR 60.503(b) through (d). Subpart XX. [40 CFR 60.503]

1175 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 60.505(a) through (f). Subpart XX. [40 CFR 60.505]

EQT103 TK236: Tank 236

1176 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

1177 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1178 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

1179 Class III TAP only - MACT is nor required. [LAC 33:III.5109.A]

EQT104 **TK420: Tank 420**

1180 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

1181 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1182 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT105 **TK424: Tank 424**

1183 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

1184 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1185 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

1186 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT106 **TK907: Tank 907**

1187 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

1188 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1189 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

1190 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT107 **TK909: Tank 909**

1191 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

1192 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1193 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

1194 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT108 **1-04: GDU Heater (H-4501)**

1195 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

1196 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

EQT108 **1-04: GDU Heater (H-4501)**

1197 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

1198 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

1199 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified

1200 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

1201 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

1202 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

1203 Comply with 40 CFR 63 Subpart DDDDD no later than September 13, 2007. Subpart DDDDD. [40 CFR 63.7495(b)]

1204 Carbon monoxide <= 400 ppmv (dry basis) corrected to 7% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
Which Months: All Year Statistical Basis: None specified

1205 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]

1206 Operate and maintain according to the provisions in 40 CFR 63.6(e)(1)(i) at all times. Subpart DDDDD. [40 CFR 63.7505(b)]

1207 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]

1208 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

1209 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

1210 Demonstrate initial compliance with any applicable emission limit no later than 180 days after the compliance date specified in 40 CFR 63.7495 and according to the applicable provisions in 40 CFR 63.7(a)(2) as cited in 40 CFR 63 Subpart DDDDD Table 10. Subpart DDDDD. [40 CFR 63.7510(d)]

1211 Conduct all applicable performance tests according to 40 CFR 63.7520 on an annual basis, unless complying with 40 CFR 63.7515(b) through (d). Subpart DDDDD. [40 CFR 63.7515(a)]

1212 Conduct annual performance tests for carbon monoxide according to 40 CFR 63.7520. Subpart DDDDD. [40 CFR 63.7515(e)]

1213 Submit performance test and fuel analysis results: Due within 60 days after the completion of the performance tests or fuel analyses. Verify that the operating limits have not changed or provide documentation of revised operating parameters established according to 40 CFR 63.7530 and 40 CFR 63 Subpart DDDDD Table 7, as applicable. Ensure that reports for all subsequent performance tests and fuel analyses include all applicable information required in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7515(g)]

1214 Conduct all performance tests according to 40 CFR 63.7(c), (d), (f), and (h). Subpart DDDDD. [40 CFR 63.7520(a)]

1215 Develop a site-specific test plan according to the requirements in 40 CFR 63.7(c). Subpart DDDDD. [40 CFR 63.7520(a)]

1216 Conduct each performance test according to the requirements in 40 CFR 63 Subpart DDDDD Table 5. Subpart DDDDD. [40 CFR 63.7520(b)]

1217 Conduct each performance test under the specific conditions listed in 40 CFR 63 Subpart DDDDD Tables 5 and 7. Conduct performance tests at the maximum normal operating load while burning the type of fuel or mixture of fuels that have the highest content of chlorine, mercury, and total selected metals. Demonstrate initial compliance and establish operating limits based on these tests. Conduct more than one performance test if necessary. Subpart DDDDD. [40 CFR 63.7520(d)]

EQT108 1-04: GDU Heater (H-4501)

1218 Do not conduct performance tests during periods of startup, shutdown or malfunction. Subpart DDDDD. [40 CFR 63.7520(e)]

1219 Demonstrate initial compliance with each applicable emission limit and work practice standard by either conducting initial performance tests and establishing operating limits, as applicable, according to 40 CFR 63.7520(c) and Tables 5 and 7; or conducting initial fuel analyses to determine emission rates and establishing operating limits, as applicable, according to 40 CFR 63.7521 (d) and Tables 6 and 8. Subpart DDDDD. [40 CFR 63.7530(a)]

1220 Establish each applicable site-specific operating limit in 40 CFR 63 Subpart DDDDD Tables 2 through 4 according to the requirements in 40 CFR 63.7520, Table 7, and 40 CFR 63.7530(c)(4), as applicable. Subpart DDDDD. [40 CFR 63.7530(c)]

1221 Do not operate above any of the applicable maximum operating limits or below any of the applicable minimum operating limits listed in 40 CFR 63 Subpart DDDDD Tables 2 through 4 at all times except during periods of startup, shutdown, malfunction, or during performance tests following the date on which the initial performance test is completed or is required to be completed under 40 CFR 63.7 and 63.7510, whichever date comes first. Subpart DDDDD. [40 CFR 63.7540(a)(1)]

1222 Fuel recordkeeping by electronic or hard copy continuously. Keep records of the type and amount of all fuels burned during the reporting period to demonstrate that all fuel types and mixtures of fuels burned would either result in lower emissions of TSM, HCl, and mercury, than the applicable emission limit for each pollutant (if demonstrating compliance through fuel analysis), or result in lower fuel input of TSM, chlorine, and mercury than the maximum values calculated during the last performance tests (if demonstrating compliance through performance testing). Subpart DDDDD. [40 CFR 63.7540(a)(2)]

1223 Demonstrate continuous compliance with each applicable emission limit, operating limit, and work practice standard in 40 CFR 63 Subpart DDDDD Tables 1 through 4 according to the methods specified in 40 CFR 63 Subpart DDDDD Table 8 and 40 CFR 63.7540(a)(1) through (a)(10). Subpart DDDDD. [40 CFR 63.7540(a)]

1224 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]

1225 Operate in accordance with the SSMP as required by 40 CFR 63.7505(e) during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7540(c)]

1226 Submit all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (h) by the dates specified, as specified in 40 CFR 63.7545(b) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7545(a)]

1227 Submit notification of intent to conduct a performance test at least 30 days before the performance test is scheduled to begin, if required to conduct a performance test. Subpart DDDDD. [40 CFR 63.7545(d)]

1228 Submit Report: Due if there is a startup, shutdown or malfunction during the reporting period that is not consistent with the startup, shutdown and malfunction plan, and any applicable emission limitation in the relevant emission standard is exceeded. Submit startup, shutdown and malfunction report within 2 working days by fax or telephone after starting actions inconsistent with the startup, shutdown or malfunction plan; and within 7 working days by letter after the end of the event unless alternate arrangements have been made with DEQ. Include actions taken for the event, and the information specified in 40 CFR 63.10(d)(5)(ii). Subpart DDDDD. [40 CFR 63.7550(a)]

1229 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]

1230 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]

1231 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]

1232 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

EQT111 4-04: GDU Cooling Tower

1233 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.501.C.6]

EQT112 2-05: Reformer Regeneration/Scrubber Vent

1234 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

1235 Class III TAP only - MACT is not required. [LAC 33:III.501.C.6]

1236 pH >= 8.91 s.u. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1237 Flow rate monitored by flow rate monitoring device daily. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1238 Flow rate recordkeeping by electronic or hard copy daily. [LAC 33:III.501.C.6]

1239 pH recordkeeping by electronic or hard copy daily. [LAC 33:III.501.C.6]

1240 pH monitored by pH instrument daily. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1241 The liquid to gas ratio shall be maitained at or higher than 0.35 during operating. [LAC 33:III.501.C.6]

1242 Vent emissions to a flare that meets the requirements for control devices in 40 CFR 63.11(b). Subpart UUU. [40 CFR 63.1566(a)(1)(i)]

1243 Conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 18. Subpart UUU. [40 CFR 63.1566(b)(2)]

1244 Determine initial compliance with emission limitations using the procedures in 40 CFR 63.1566(b)(4) and (b)(6). Subpart UUU. [40 CFR 63.1566(b)]

1245 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 15 and 16 according to the methods specified in 40 CFR 63 Subpart UUU Tables 20 and 21. Subpart UUU. [40 CFR 63.1566(c)(1)]

1246 Hydrochloric acid >= 92 % reduction by weight or <= 30 ppmv (dry basis), corrected to 3% oxygen. Subpart UUU. [40 CFR 63.1567(a)(1)]
Which Months: All Year Statistical Basis: None specified

1247 Conduct each performance test according to the requirements in 40 CFR 63.1571 and the conditions specified in 40 CFR 63 Subpart UUU Table 25. Subpart UUU. [40 CFR 63.1567(b)(2)]

1248 Determine initial compliance with emission limitations using the procedures in 40 CFR 63.1567(b)(4) and (b)(5). Subpart UUU. [40 CFR 63.1567(b)]

1249 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 22 and 23 according to the methods specified in 40 CFR 63 Subpart UUU Tables 27 and 28. Subpart UUU. [40 CFR 63.1567(c)(1)]

EQT113 Methanol Distillation Unit

1250 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emissions are controlled by flare that operates with 98% or high VOC reduction rate - determined as MACT. [LAC 33:III.5109.A]

1251 Combust the emissions in a flare that meets the requirements of 40 CFR 60.18. Subpart NNN. [40 CFR 60.662(b)]

1252 Run all affected facilities at full operating conditions and flow rates during any performance test intended to demonstrate compliance with 40 CFR 60.662. Subpart NNN. [40 CFR 60.664(a)]

1253 Use the 40 CFR 60 appendix A methods listed in 40 CFR 60.664(b) through (h), except as provided under 40 CFR 60.60.8(b), as reference methods to determine compliance with the emission limit or percent reduction efficiency specified under 40 CFR 60.662(a). Subpart NNN. [40 CFR 60.664(b)]

1254 Notify the DEQ with the specific provisions of 40 CFR 60.662 (40 CFR 60.662(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.662 that the operator elects to comply with. Conduct the performance test specified by 40 CFR 60.664 within 180 days after the change. Subpart NNN. [40 CFR 60.665(a)]

EQT113 Methanol Distillation Unit

1255 Performance Test Data recordkeeping by electronic or hard copy continuously. Maintain up-to-date, readily accessible records of the required compliance information listed in 40 CFR 60.665(b) through (j) as applicable measured during each performance test required under 40 CFR 60.8. Submit the same specified data in the reports of all subsequently required performance tests where either the emission control efficiency of a control device, outlet concentration of TOC, or the TRE index value of a vent stream from a recovery system is determined. Subpart NNN. [40 CFR 60.665(b)]

FUG002 Fugitive Emission Program (Part 1)

1256 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

1257 Comply with LAC 33:III.2121 by implementing the Louisiana Consolidated Fugitive Emissions Program Guidelines. Compliance is achived through compliance with 40 CFR 60 Subpart GGG. [LAC 33:III.2121]

1258 This part of the fugitive emission program are for MTBE-53 and Isom-54. [LAC 33:III.501.C.6]

1259 Connectors associated with valves shall be monitored according to the valve requirements. However, each associated connector shall be monitored as part of the valve and not as a separate component. A connector that is associated with a valve and is determined to be leaking shall result in the valve being recorded as a leaking valve and included in the calculation of percent valves leaking. [LAC 33:III.501.C.6]

1260 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

1261 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]

1262 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

1263 Comply with 40 CFR 63 Subpart CC by implementing the Louisiana Consolidated Fugitive Emissions Program Guidelines. Compliance is achived through compliance with 40 CFR 60 Subpart GGG. [40 CFR 63.640]

FUG006 Fugitive Emission Program (Part 2)

1264 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

1265 Comply with LAC 33:III.2121 by implementing the Louisiana Consolidated Fugitive Emissions Program Guidelines. Compliance is achived through compliance with 40 CFR 60 Subpart GGG. [LAC 33:III.2121]

1266 This part of the fugitive emission program are for CMS/Octenes-55, Poly-51, and Closed Vent System (CVS). [LAC 33:III.501.C.6]

1267 Connectors associated with valves shall be monitored according to the valve requirements. However, each associated connector shall be monitored as part of the valve and not as a separate component. A connector that is associated with a valve and is determined to be leaking shall result in the valve being recorded as a leaking valve and included in the calculation of percent valves leaking. [LAC 33:III.501.C.6]

1268 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

1269 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]

1270 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

FUG007 Fugitive Emission Program (Part 3)

1271 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

FUG007 Fugitive Emission Program (Part 3)

1272 Comply with LAC 33:III.2121 by implementing the Louisiana Consolidated Fugitive Emissions Program Guidelines. Compliance is achived through compliance with Louisiana MACT Determination for Refiny Equipment Leaks dated July 26, 1994. [LAC 33:III.2121]

1273 This part of the fugitive emission program are for Tank Farm-01, Truck Rack-04A, Tank Farm-10, Crude Unit-15, Tank Farm-16, Tank Farm-17, Reformer-30, FCCU-42, Gas Con-43, Tank Farm-56, Crude Rack-57, and Docks 1, 3, 4, and 5. [LAC 33:III.501.C.6]

1274 Connectors associated with valves shall be monitored according to the valve requirements. However, each associated connector shall be monitored as part of the valve and not as a separate component. A connector that is associated with a valve and is determined to be leaking shall result in the valve being recorded as a leaking valve and included in the calculation of percent valves leaking. [LAC 33:III.501.C.6]

1275 Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1276 VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whichever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1277 VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1278 Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1279 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1280 Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

1281 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

1282 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

1283 Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

FUG007 Fugitive Emission Program (Part 3)

1284 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1285 Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1286 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

1287 Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections D.1 through D.4. [LAC 33:III.5109.A]

1288 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.e.i. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1289 Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1290 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1291 Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1292 Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1293 Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1294 Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

FUG007 **Fugitive Emission Program (Part 3)**

1295 Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1296 Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

1297 Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7. [LAC 33:III.5109.A]

1298 Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. [LAC 33:III.5109.A]

1299 Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1300 Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1301 Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1302 Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1303 Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections F.1 and F.2. [LAC 33:III.5109.A]

1304 Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process. [LAC 33:III.5109.A]

1305 Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1306 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

FUG007 Fugitive Emission Program (Part 3)

1307 Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1308 Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1309 Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1310 Valves in gas/vapor service and in light liquid service (percent leaking valves >= 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1311 Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1312 Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1313 Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1314 Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

1315 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]

1316 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

FUG007 **Fugitive Emission Program (Part 3)**

1317 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]

1318 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1319 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1320 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

1321 Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1322 Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible with a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1323 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1324 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors <= 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). . Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

FUG007 **Fugitive Emission Program (Part 3)**

1325 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1326 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1327 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1328 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1329 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1. [LAC 33:III.5109.A]

1330 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1331 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements. [LAC 33:III.5109.A]

FUG007 Fugitive Emission Program (Part 3)

1332 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.1 2 for use in determining the monitoring frequency, as specified in Subsection O.1 2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1333 Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1334 Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1335 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1336 Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1337 Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1338 Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1339 Comply with LAC 33:III.5109.A by implementing the Louisiana Consolidated Fugitive Emissions Program Guidelines. Compliance is achived through compliance with Louisiana MACT Determination for Refiny Equipment Leaks dated July 26, 1994. [LAC 33:III.5109.A]

FUG008 Fugitive Emission Program (Part 4)

1340 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

1341 Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration. [LAC 33:III.2121.B.1]

1342 Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device. [LAC 33:III.2121.B.2]

1343 Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided. [LAC 33:III.2121.B.3]

1344 Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.a.i]
Which Months: All Year Statistical Basis: None specified

1345 Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.a.ii]
Which Months: All Year Statistical Basis: None specified

1346 Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.a.iii]
Which Months: All Year Statistical Basis: None specified

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1347 Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.b.i]
Which Months: All Year Statistical Basis: None specified

1348 Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions). [LAC 33:III.2121.C.1.b.ii]
Which Months: All Year Statistical Basis: None specified

1349 Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.b.iii]
Which Months: All Year Statistical Basis: None specified

1350 Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year). [LAC 33:III.2121.C.1.c]
Which Months: All Year Statistical Basis: None specified

1351 Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.3.a]
Which Months: All Year Statistical Basis: None specified

1352 All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.3.b]
Which Months: All Year Statistical Basis: None specified

1353 Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum). [LAC 33:III.2121.C.4.c]
Which Months: All Year Statistical Basis: None specified

1354 Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely. [LAC 33:III.2121.C.4.c]
Which Months: All Year Statistical Basis: None specified

1355 When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired. [LAC 33:III.2121.E.1]

1356 Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request. [LAC 33:III.2121.E]

1357 Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period. [LAC 33:III.2121.F]

1358 This part of the fugitive emission program are for DEA-31, LPG Rack-46, LPG Bullets-49, Crude Flare-34, ATS-47, FCC Utilities-50, FCC Flare-52, and Rail Rack-58. [LAC 33:III.501.C.6]

1359 Connectors associated with valves shall be monitored according to the valve requirements. However, each associated connector shall be monitored as part of the valve and not as a separate component. A connector that is associated with a valve and is determined to be leaking shall result in the valve being recorded as a leaking valve and included in the calculation of percent valves leaking. [LAC 33:III.501.C.6]

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1360 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.1111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

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1361 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

1362 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

1363 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

1364 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]

1365 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]

1366 Carbon monoxide <= 637.47 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1367 Nitrogen oxides <= 728.37 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1368 Particulate matter (10 microns or less) <= 196.26 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1369 Sulfur dioxide <= 1046.28 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1370 VOC, Total <= 1202.96 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1371 1,3-Butadiene <= 0.26 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1372 2,2,4-Trimethylpentane <= 0.54 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1373 Ammonia <= 15.39 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1374 Benzene <= 11.78 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1375 Cumene <= 0.35 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1376 Ethyl benzene <= 3.70 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1377 Ethylene <= 9.57 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1378 Formaldehyde <= 1.39 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1379 Hydrochloric acid < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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1380 Hydrogen sulfide <= 8.43 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1381 Methanol <= 12.59 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1382 Methyl Tertiary Butyl Ether <= 15.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1383 Naphthalene <= 0.44 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1384 Nickel (refinery dust) <= 0.09 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1385 Polynuclear Aromatic Hydrocarbons <= 1.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1386 Propylene <= 34.57 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1387 Toluene <= 16.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1388 Xylene (mixed isomers) <= 20.67 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1389 n-Hexane <= 15.42 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1390 Shall not burn or combust fuel oil in any of the heaters and boilers. Consent Decree. [LAC 33:III.501.C.6]

1391 Shall comduct quarterly EOL (end-of-line) sampling for benzene quantities in uncontrolled waste streams. Consent Decree. [LAC 33:III.501.C.6]

1392 Comply with the requirements of PSD-LA-140, PSD-LA-232, PSD-LA-278a, PSD-LA-373, PSD-LA-286aM-1, and PSD-LA-504 to the extent not already superseded by this permit. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permits PSD-LA-140, PSD-LA-232, PSD-LA-278a, PSD-LA-373, PSD-LA-286aM-1, and PSD-LA-504. [LAC 33:III.509]

1393 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]

1394 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

1395 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]

1396 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]

1397 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]

1398 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]

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1399 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]

1400 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]

1401 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]

1402 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]

1403 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]

1404 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]

1405 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

1406 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]

1407 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]

1408 Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]

1409 Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]

1410 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

1411 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]

1412 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]

1413 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]

1414 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

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1415 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

1416 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

1417 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]

1418 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

1419 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

1420 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]

1421 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]

1422 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]

1423 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]

1424 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]

1425 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]

1426 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]

1427 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]

1428 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]

1429 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 1st of July to the Department of Environmental Quality, Office of Environmental Services, Air Permits Division. Include the information in LAC 33:III.5307.A for the preceding calendar year. [LAC 33:III.5307.B]

1430 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]

1431 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]

1432 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]

1433 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]

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1434 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]

1435 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]

1436 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]

1437 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]

1438 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

1439 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]

1440 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]

1441 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]

1442 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

1443 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

1444 Submit report: Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (11 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]

1445 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

1446 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]

1447 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 68.22. [40 CFR 68.12(b)(1)]

1448 Complete the five-year accident history for the process as provided in 68.42. [40 CFR 68.12(b)(2)]

1449 Ensure that response actions have been coordinated with local emergency planning and response agencies. [40 CFR 68.12(b)(3)]

1450 Include in the RMP the certification specified in 68.12(b)(4). [40 CFR 68.12(b)(4)]

1451 Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999. [40 CFR 68.150]

1452 Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g). [40 CFR 68.155]

1453 Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13). [40 CFR 68.160]

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1454 Submit in the RMP information one worst-case release scenario for each Program 1 process. Include the data specified in 68.165(b)(1) through (13). [40 CFR 68.165]

1455 Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a). [40 CFR 68.168]

1456 Provide in the RMP the emergency response information listed in 68.180(a) through (c). [40 CFR 68.180]

1457 Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]

1458 Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999. [40 CFR 68.190]

1459 Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided. [40 CFR 68.200]

1460 Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences. [40 CFR 68.22]

1461 Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h). [40 CFR 68.25]

1462 Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e). [40 CFR 68.28]

1463 Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.30]

1464 List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.33]

1465 Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]

1466 Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36]

1467 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses. [40 CFR 68.39]

1468 Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release. [40 CFR 68.42]

1469 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

1470 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

1471 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

1472 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

1473 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]

GRP005 Miscellaneous Vents

1474 Halogenated hydrocarbons, total >= 95 % removal efficiency as determined in accordance with LAC 33:III.2115.J.1, by combustion or other methods specified in LAC 33:III.2115.G. If combusted, reduce the halogenated products of combustion to an emission level acceptable to DEQ. [LAC 33:III.2115.F]
Which Months: All Year Statistical Basis: None specified

1475 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I]

1476 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]

1477 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]

1478 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]

1479 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

1480 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana Refinery MACT Determination dated July 26, 1994 as MACT. [LAC 33:III.5109.A]

1481 Reduce emissions of organic HAPs using a flare that meets the requirements of 40 CFR 63.11(b). Subpart CC. [40 CFR 63.643(a)(1)]

1482 Conduct a compliance determination for visible emissions within 150 days of the compliance date using Method 22 of 40 CFR part 60, appendix A, to determine visible emissions. Subpart CC. [40 CFR 63.645(i)]

GRP006 FUG: Process Fugitive Emissions

1483 This group includes process fugitive emissions from the Krotz Springs Refinery. The fugitive emission program for this facility is divided into 4 parts (Parts 1, 2, 3, and 4). Fugitive units and specific requirements are listed separately for each part. [LAC 33:III.501.C.6]