DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Activity No.: PER20070008
Agency Interest No. 1250

Mr. Steven R. Hays
General Manager
PO Box 1562
Lake Charles, LA 70602-1562

RE: Part 70 Operating Permit, Logistics Area, Lake Charles Manufacturing Complex, CITGO Petroleum Corporation, Sulphur, Calcasieu Parish, Louisiana

Dear Mr. Hays:

This is to inform you that the permit modification 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 16th of September, 2010, 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 _____, 2007.

Permit No.: 2796-V6

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:ALR
c: EPA Region VI

ENVIRONMENTAL SERVICES
PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
CITGO PETROLEUM CORPORATION - LAKE CHARLES MANUFACTURING COMPLEX
PROPOSED PART 70 AIR OPERATING PERMIT MINOR MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed Part 70 minor modification for CITGO Petroleum Corporation, P.O. Box 1562, Lake Charles, LA 70602 for the Lake Charles Manufactoring Complex - Logistics area. **The facility is located at 4401 Hwy 108 South, Sulphur, Calcasieu Parish.**

CITGO requested a permit authorizing the B-Dock Rehabilitation project. The B-Dock Rehabilitation Project is being proposed to add additional shoring at B-Dock. The shoring is being added due to corrosion of existing shoring. In addition to the shoring work, a few other changes are being proposed. The scope of this project includes:

1. Replacing the existing B-Dock shoring with new shoring.

2. Adding new piping to A-dock to allow uncontrolled product loadings across the south side of A-dock. This change is being added to minimize the impact of B-dock being taken out of service. However, these lines will remain in place upon completion of the B-dock project.

3. Returning a D-dock product line back to service. An idle product line to D-dock will have to be replaced due to corrosion. The replacement will increase valve count. This line will be used to load products not needing vapor control at D-dock.

4. Adding new equipment associated with inerting (non-VOC) and utility systems.

5. Parallel to the B-dock Rehabilitation project, a new project is being planned to increase the amount of products which can be sent to the Colonial pipeline. CITGO would like the ability to transition product from the Explorer pipeline to the Colonial pipeline. The flexibility will be achieved by installing new product lines and fugitive equipment. All new fugitive equipment will promptly be incorporated into our existing LDAR program.

6. Add a jump over line to increase the feed of diesel to the ALCOH unit. There will be no resulting increase in emissions or throughput requested for this project.

Additionally this permit will be incorporating the following modifications and reconciliations:

- Update the fugitive component count to reflect the latest assessment.

- Cap the controlled loading emissions at A-, B-, and C-Docks

- Correct the Applicable Louisiana and Federal Air Quality Requirements Tables

- Include EQT284, EQT276, and EQT277 into the floating roof Tank CAP

- Correct the volume, normal operating rate, and maximum operating rate on several emission sources.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	3.64	3.64	-
SO_2	21.55	21.55	-
NO_X	85.11	85.11	-
CO	82.76	82.76	-
VOC	1,590.08	1,581.15	-8.93

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	**Before**	**After**	**Change**
1,3-Butadiene	0.30	0.32	+0.02
2,24-Trimethyl Pentane	7.96	8.01	+0.05
Benzene	38.18	38.73	+0.55
Biphenyl	0.04	0.04	-
Carbon Disulfide	3.43	3.43	-
Carbon Tetrachloride	0.25	0.25	-
Cresol	0.04	0.04	-
Cumene	0.67	0.68	+0.01
Ethyl Benzene	9.05	9.23	+0.18
Methanol	7.06	7.14	+0.08
Methyl Ethyl Ketone	0.76	0.76	-
Methyl Tertiary Butyl Ether	29.42	29.55	+0.13
n-Hexane	42.67	42.63	-0.04
Naphthalenes	5.92	5.99	+0.07
Polynuclear Aromatic Hydrocarbons	0.97	0.97	-
Phenol	0.19	0.19	-
Toluene	46.24	47.27	+1.03
Xylene	43.54	44.65	+1.11
Total	**236.69**	**239.88**	**+3.19**

NON-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	**Before**	**After**	**Change**
Chlorine	0.07	0.07	-
Hydrogen Sulfide	8.33	8.33	-
Sulfuric Acid	0.19	0.19	-
Total	**8.59**	**8.59**	-

Other VOC (TPY): 1,341.27

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, August 20, 2007.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The proposed permit and permit application are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at the Calcasieu Parish Library - Sulphur Regional Branch located at 1160 Cypress Street, Sulphur LA 70663.

Inquiries or requests for additional information regarding this permit action should be directed to Mr. Anthony Randall, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3151.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information

related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1250, Permit Number 2796-V6, and Activity Number PER20070008.

Scheduled Publication Date: Monday, July 16, 2007.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Agency Interest No.: 1250
Logistics Area PER20070008
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

I. Background

CITGO has operated a petroleum refinery, known as the Lake Charles Manufacturing Complex (LCMC), near Sulphur since the early 1940s. The complex is divided into seven areas for Part 70 permitting purposes. Previously the facility operated under Permit No. 2796-V2 dated December 21, 2004, Permit No. 2796-V3 dated September 16, 2005 and Permit No. 2796-V4 dated February 20, 2006. Currently the facility is operating under Permit No. 2796-V5, issued January 10, 2007 and amended on March 23, 2007.

This is a minor modification to the initial Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by CITGO Petroleum Corporation on May 2, 2007 requesting a Part 70 operating permit modification.

III. Description

CITGO owns and operates a petroleum refinery in Sulphur, Louisiana. The facility processes both domestic and foreign crude oils into sulfuric acid, benzene, propane, ethane, sulfur, gasoline, distillate and residual oil, propylene, coke, lube oils and other miscellaneous products. CITGO is classified under SIC 2911 for petroleum refineries and 2819 for elemental sulfur production (a by-product of the refining process). To refine the crude, LCMC utilizes crude topping and crude vacuum units, petroleum coking units, fluid catalytic cracking units, an alkylation unit, an isomerization unit, a sulfolane unit, a tertiary amyl methyl ether (TAME) unit, a hydrocracking unit, amine treatment facilities, a methyl tertiary butyl ether (MTBE) unit, catalytic reformers, desulfurization units, sulfur recovery units, a tail gas unit, an acid plant, and associated infrastructure including plant utilities.

The Logistics Area is one of seven areas at the LCMC and includes the wastewater treatment system (WWTS), storage tanks, marine loading docks and flares, and supporting fugitive components.

The WWTS receives stormwater and process wastewater from production units in the complex. Wastewater is treated and then released via a permitted outfall.

The majority of floating roof storage tanks in the area are grouped and permitted under an emission cap. Additionally, the majority of fixed roof storage tanks are grouped and permitted under an emission cap.

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There are four (4) marine loading docks, which are utilized for the loading and unloading of refinery materials such as but not limited to crude oil, gasoline, and benzene. During the loading of bulk liquid into marine vessels, the liquid introduced into the vessel displaces vapors. The vapors from the loading of products with a true vapor pressure greater than 1.5 psia at loading temperature, are collected and routed to the flares at "A" and "B/C" Docks as per LAC 33:III.2108. The vapors from the loading of products with a true vapor pressure less than 1.5 psia are typically released to the atmosphere from the vessel at the dock. Product loadings that require vapor controls must be loaded at A, B, or C docks. Products that can be loaded without vapor control can be loaded at any of the docks A, B, C, or D.

The B-Dock Rehabilitation Project is being proposed to add additional shoring at B-Dock. The shoring is being added due to corrosion of existing shoring. In addition to the shoring work, a few other changes are being proposed. The scope of this project includes:

1. Replacing the existing B-Dock shoring with new shoring.

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- Cap the controlled loading emissions at A-, B-, and C-Docks
- Correct the Applicable Louisiana and Federal Air Quality Requirements Tables
- Include EQT284, EQT276, and EQT277 into the floating roof Tank CAP
- Correct the volume, normal operating rate, and maximum operating rate on several emission sources

Estimated emissions in tons per year are as follows:

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Cresol	0.04	0.04	-
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Total	8.59	8.59	-

Other VOC (TPY): 1,341.27

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) and Non-attainment New Source Review (NNSR) do not 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

Public notice is required in response to the creation of the Marine Loading Cap and the increase of Benzene emissions exceeding the MER.

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **<date>**, 200X; and in the <local paper>, <local town>, on **<date>**, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **<date>**. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})

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Sulphur, Calcasieu Parish, Louisiana

VIII. General Condition XVII Activities

	Emission Rates – tons				
Work Activity	PM_{10}	SO_2	NO_X	CO	VOC
Carbon Canister replacement	-	-	-	-	0.50
Changing Filters	-	-	-	-	0.14
Cleaning Equipment	-	-	-	-	0.90
Clearing of pipeline gases	-	-	-	-	2.60
Clearing of pipeline liquids	-	-	-	-	4.82
Compressor maintenance	-	-	-	-	0.43
Control device maintenance	-	-	-	-	-
Control device releases	-	-	-	-	0.73
Instrument maintenance	-	-	-	-	2.59
Isolation and control valve maintenance	-	-	-	-	0.43
Liquid deinventory to process sewer	-	-	-	-	0.49
Marine transfer line disconnect emissions	-	-	-	-	4.70
Miscellaneous equipment preparation	-	-	-	-	0.63
Pump Maintenance	-	-	-	-	0.97
Sampling	-	-	-	-	4.80
Sludge Removal	-	-	-	-	4.67
Solids loading and unloading	0.001	-	-	-	-
Solids removal from sumps	-	-	-	-	0.21
Taking heavy liquid tanks out of service	-	-	-	-	4.91
Tank gauging	-	-	-	-	0.95
Vessel Preparation	-	-	-	-	4.88
Railcar / truck disconnects	-	-	-	-	4.91
PTU Drying beds	-	-	-	-	1.0
PTU Polymer tanks	-	-	-	-	0.8
Separator cleaning	-	-	-	-	4.25

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IX. Insignificant Activities

Description	Citation Insignificant Activity per:
Caustic/Soap/Detergent Storage Vessels	LAC 33:III.501.B.5.A.10
External Combustion (<1 MMBtu/hr)	LAC 33:III.501.B.5.A.5
External Combustion (>1 and < 10 MMBtu/hr)	LAC 33:III.501.B.5.A.1
Marine Response Gas Tank	LAC 33:III.501.B.5.D
Sulfuric Acid Vessel	LAC 33:III.501.B.5.A.10
Vessels (<250 gal., <3.5 psia vp)	LAC 33:III.501.B.5.A.2
Vessels (<10,000 gal., <0.5 psia vp)	LAC 33:III.501.B.5.A.3
Inorganic Air pollutant non-TAP (<5 tpy)	LAC 33:III.501.B.5.A.4
Laboratory Equipment/vent emissions	LAC 33:III.501.B.5.A.6
Noncommercial water washing of empty drums	LAC 33:III.501.B.5.A.7
Portable Fuel tank Emissions	LAC 33:III.501.B.5.A.8
Process Stream/Vent Analyzers emissions <5 tpy	LAC 33:III.501.B.5.A.9
Portable Cooling Towers	LAC 33:III.501.B.5.A.12

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

		LAC 33:III.Chapter																
ID No.:	Description	5▲	9	11	13	15	2103	2107	2108	2109	2113	2115	2131	2141	2153	51*	56	59*
GRP116	Facility Wide Sources Logistics Area		1	1	1			1			1	2		2	2	1	1	1
EQT062	3(IX)12 - Marine Loading - Uncontrolled								2							2		
GRP148	3(IX)64 Marine Loading Cap - Controlled																	
EQT063	3(IX)34 - B-13 Flare ("A" Dock)			3		2			1			2				1		
EQT064	3(IX)35 - B-14 Flare ("B/C" Dock)			3		2			1			2				1		
EQT065	3(IX)37 - Wastewater Treatment					3				1						1		
EQT066	3(IX)38 - B-700 Watewater Treatment Plant Flare			3								2				1		
GRP146	Group A Tanks						1						1			1		
GRP147	Group B Tanks						2									2		
FUG012	3(MISC)6 - Oil Movement Fugitives															1		
EQT007	3(XXX)1 - Vapor Combustor System - Marine Dock			3		2			2			2				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.

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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.

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

		40 CFR 60 NSPS					40 CFR 61						40 CFR 63 NESHAP						40 CFR		
ID No.:	*Description*	*A*	*J*	*Kb*	*GGG*	*QQQ*	*A*	*J*	*V*	*Y*	*BB*	*FF*	*A*	*F*	*G*	*Q*	*Y*	*CC*	*64*	*68*	*82*
GRP116	Facility Wide Sources Logistics Area	1					1					1	1	1	1				2	1	1
EQT062	3(IX)12 - Marine Loading - Uncontrolled																				
GRP148	3(IX)64 Marine Loading Cap - Controlled																				
EQT063	3(IX)34 - B-13 Flare ("A" Dock)		1								1		1				1	1			
EQT064	3(IX)35 - B-14 Flare ("B/C" Dock)		1								1		1				1	1			
EQT065	3(IX)37 - Wastewater Treatment			3		1						1						1			
EQT066	3(IX)38 - B-700 Watewater Treatment Plant Flare		1			1						1									
GRP146	Group A Tanks			1		1				2		1			1			1			
GRP147	Group B Tanks			2											2			2			
FUG012	3(MISC)6 - Oil Movement Fugitives				1	1		1	1			1						1			
EQT007	3(XXX)1 - Vapor Combustor System - Marine Dock		1														2				

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

ID No:	Requirement	Notes
GRP116 – Logistics Area	Waste Gas Disposal LAC 33:III.2115	DOES NOT APPLY – Exemption criteria specified in LAC 33:III.2115 met (federal regulation overlap).
	Refinery Process Unit Turnarounds LAC 33:III.2141	DOES NOT APPLY – No Process units in Logistics Area
	Industrial Wasterwater LAC 33:III.2153	EXEMPT – Wastewater equipment in the Logistics area are subject to 40 CFR Part 61 Subpart FF (LAC 33:III.2153.G.6).
	Compliance Assurance Monitoring for Major Stationary Sources 40 CFR 64	EXEMPT – Pollutant specific emissions units located within the Logistics area are subject to MACT rules promulgated after November 15, 1990.
GRP146 – Group A Tanks	NESHAP, Subpart Y – National Emission Standard for Benzene Emissions from Benzene Storage Vessels 40 CFR 61.271	EXEMPT – Storage vessels that are subject to the provision of this subpart and are Group 1 storage vessels under Part 63 subpart G are only required to comply with the provisions of Part 63 subpart G.
GRP147 – Group B Tanks	Storage of Volatile Organic Compounds LAC 33.III.2103	EXEMPT – These tanks are exempt from control requirements. Tanks do not meet capacity / TVP applicability criteria
	Comprehensive Toxic Air Pollutant Program LAC 33.III.5109 STATE ONLY	EXEMPT – These tanks are exempt from control requirements. Tanks do not meet capacity / TVP applicability criteria

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Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

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

ID No:	Requirement	Notes
GRP147 – Group B Tanks (continued)	NSPS Subpart Kb – Standards for Performance for Volatile Organic Liquid Storage Vessels for Petroleum Liquids 40 CFR 60.110b	EXEMPT – These tanks are exempt from control requirements. Tanks do not meet capacity / TVP applicability criteria
	HON Subpart G – Storage Vessels 40 CFR 63.119(a)(3)	EXEMPT – Tanks in Group B are considered Group 2 tanks in Subpart G. These tanks are exempt from control requirements. Tanks do not meet capacity / TVP applicability criteria
	NESHAP, Subpart CC National Emission Standards for Hazardous Air Pollutants from petroleum Refineries 40 CFR 63.640	EXEMPT – Tanks in Group B are considered Group 2 tanks in Subpart CC. These tanks are exempt from control requirements. Tanks do not meet capacity / TVP applicability criteria
EQT062 – 3(IX)12 Uncontrolled Marine Loading Docks "A", "B", "C", & "D"	Marine Vapor Recovery LAC 33.III.2108	EXEMPT – No Control Required. Docks "A", "B", "C", & "D" can be used to load products with true vapor pressure (TVP) less than 1.5 psia. Loading of products with TVP less than 1.5 psia is not subject to this rule.
	Comprehensive Toxic Air Pollutant Program LAC 33.III.5109 STATE ONLY	EXEMPT – No Control Required. Docks "A", "B", "C", & "D" can be used to load products with true vapor pressure (TVP) less than 1.5 psia. Loading of products with TVP less than 1.5 psia is not subject to this rule.
EQT063 – 3(IX)34 B-13 A Dock Flare EQT064 – 3(IX)35 B-14 B/C Dock Flare	Smoke from Flaring Shall not Exceed 20% opacity. LAC 33.III.1105	DOES NOT APPLY – Marine loading flares do not control pressure releases from the unit upsets.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

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

ID No:	Requirement	Notes
EQT063 – 3(IX)34 B-13 A Dock Flare EQT064 – 3(IX)35 B-14 B/C Dock Flare (continued)	Emission Standards for Sulfur Dioxide LAC 33.III.1503	EXEMPT – Units emit less than 250 TPY of SO_2
	Waste Gas Disposal LAC 33.III.2115	EXEMPT – Source is subject to NESHAP and MACT requirements.
EQT065 – 3(IX)37 Wastewater Treatment	NSPS Subpart Kb – Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110B-117B	DOES NOT APPLY – The storage tanks that are part of the wastewater treatment system are part of either Group A or Group B Tanks and therefore, have their regulatory analysis included in these groups.
EQT066 – 3(IX)38 B-700 Wastewater Treatment Plant Flare	Smoke from Flaring Shall not Exceed 20% opacity. LAC 33.III.1105	DOES NOT APPLY – Wastewater flare does not control pressure releases from the unit upsets.
	Emission Standards for Sulfur Dioxide LAC 33.III.1503	EXEMPT – Units emit less than 250 TPY of SO_2
	Waste Gass Disposal LAC 33.III.2115	DOES NOT APPLY – Source is subject to NESHAP and MACT requirements.
EQT007 – 3(XXX)1 Vapor Combustor System – Marine Dock	Smoke from Flaring Shall not Exceed 20% opacity. LAC 33.III.1105	DOES NOT APPLY – Marine vapor combustor does not control pressure releases from the unit upsets.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

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

ID No:	Requirement	Notes
EQT007 – 3(XXX)1 Vapor Combustor System – Marine Dock (cont.)	Emission Standards for Sulfur Dioxide LAC 33.III.1503	EXEMPT – Units emit less than 250 TPY of SO_2
	Marine Vapor Recovery LAC 33.III.2108	EXEMPT – Marine Vapor Combustor combusts products with true vapor pressure (TVP) less than 1.5 psia. Loading products with TVP less than 1.5 psia is not subject to this rule.
	Waste Gas Disposal LAC 33.III.2115	EXEMPT – Source is subject to NESHAP and MACT requirements.
	NSPS Subpart A – General Control Device Requirements 40 CFR 60.18	DOES NOT APPLY – not a flare
	NESHAP Subpart A – General Control Device Requirements 40 CFR 63.11	DOES NOT APPLY – not a flare
	NESHAP Subpart Y – National Emission Standard for Hazardous Air Pollutants for Marine Tank Vessel Loading Operations 40 CFR 63.560	EXEMPT – vapor pressure of streams loaded is less than 1.5 psia.

The above table provides explanation for both the exemption status or 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

40 CFR PART 70 GENERAL CONDITIONS

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, Enforcement 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, Enforcement 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

40 CFR PART 70 GENERAL CONDITIONS

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, Enforcement 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.

40 CFR PART 70 GENERAL CONDITIONS

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]

40 CFR PART 70 GENERAL CONDITIONS

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 May 2, 2007.

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.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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, Enforcement 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, Enforcement 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

LOUISIANA AIR EMISSION PERMIT
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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.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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.

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

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 007 3(XXX)1	0.18	0.49	0.80	0.02	0.07	0.10	8.27	22.03	36.24	1.68	4.46	7.34	2.52	35.88	11.04
EQT 059 3(IX)50-340														12.527	
EQT 062 3(IX)12	0.013	0.548	0.058	0.042	1.75	0.184							6.048	96.892	26.49
EQT 063 3(IX)34		0.578			1.515			49.077			30.954			16.651	
EQT 064 3(IX)35		1.237			6.306			103.624			75.359			34.886	
EQT 065 3(IX)37	0.325		1.422										12.797		56.050
EQT 066 3(IX)38	0.193	0.495	0.846	4.336	27.335	18.994	1.763	4.517	7.72	9.59	24.575	42.005	3.974	21.516	17.404
EQT 073 3(IX)50-3														9.92	
EQT 074 3(IX)50-6														9.825	
EQT 075 3(IX)50-8														14.036	
EQT 076 3(IX)50-9														14.167	
EQT 077 3(IX)50-10														14.036	
EQT 078 3(IX)50-11														14.488	
EQT 079 3(IX)50-12														14.167	
EQT 080 3(IX)50-13														14.512	
EQT 081 3(IX)50-14														14.036	
EQT 082 3(IX)50-15														14.036	
EQT 083 3(IX)50-16														13.913	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

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 084 3(IX)50-17														13.896	
EQT 085 3(IX)50-18														13.716	
EQT 086 3(IX)50-22														3.543	
EQT 087 3(IX)50-23														3.782	
EQT 088 3(IX)50-36														3.371	
EQT 089 3(IX)50-37														3.371	
EQT 090 3(IX)50-40														12.316	
EQT 091 3(IX)50-41														36.184	
EQT 093 3(IX)50-43														36.211	
EQT 094 3(IX)50-44														35.896	
EQT 095 3(IX)50-45														36.488	
EQT 096 3(IX)50-46														36.226	
EQT 097 3(IX)50-48														36.189	
EQT 098 3(IX)50-49														36.189	
EQT 099 3(IX)50-50														36.184	
EQT 100 3(IX)50-51														36.242	
EQT 101 3(IX)50-52														16.181	
EQT 102 3(IX)50-54														10.86	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER20070008

Permit Number: 2796-V6

Air - Title V Regular Permit Minor Mod

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 103 3(IX)50-55														15.089	
EQT 104 3(IX)50-56														14.88	
EQT 105 3(IX)50-60														11.619	
EQT 106 3(IX)50-61														9.134	
EQT 107 3(IX)50-62														8.568	
EQT 108 3(IX)50-63														9.134	
EQT 109 3(IX)50-66														8.567	
EQT 111 3(IX)50-81														12.472	
EQT 112 3(IX)50-83														5.273	
EQT 113 3(IX)50-85														12.542	
EQT 114 3(IX)50-87														7.048	
EQT 115 3(IX)50-88														6.451	
EQT 116 3(IX)50-89														10.764	
EQT 117 3(IX)50-91														12.497	
EQT 118 3(IX)50-92														15.588	
EQT 119 3(IX)50-93														13.601	
EQT 120 3(IX)50-97														4.648	
EQT 121 3(IX)50-98														4.648	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

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 122 3(IX)50-99														46.556	
EQT 123 3(IX)50-100														43.614	
EQT 124 3(IX)50-101														42.212	
EQT 125 3(IX)50-103														28.223	
EQT 126 3(IX)50-104														32.806	
EQT 127 3(IX)50-105														30.919	
EQT 128 3(IX)50-106														30.943	
EQT 129 3(IX)50-142														3.445	
EQT 130 3(IX)50-143														4.057	
EQT 131 3(IX)50-144														3.915	
EQT 132 3(IX)50-145														4.056	
EQT 133 3(IX)50-151														8.809	
EQT 134 3(IX)50-152														10.317	
EQT 135 3(IX)50-153														10.317	
EQT 136 3(IX)50-154														10.435	
EQT 137 3(IX)50-188														6.151	
EQT 138 3(IX)50-189														6.129	
EQT 139 3(IX)50-190														5.82	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER20070008

Permit Number: 2796-V6

Air - Title V Regular Permit Minor Mod

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 140 3(IX)50-191														6.125	
EQT 141 3(IX)50-196														6.186	
EQT 142 3(IX)50-197														5.978	
EQT 143 3(IX)50-199														6.105	
EQT 144 3(IX)50-200														6.08	
EQT 145 3(IX)50-201														0.673	
EQT 146 3(IX)50-202														0.687	
EQT 147 3(IX)50-203														5.046	
EQT 148 3(IX)50-207														5.899	
EQT 149 3(IX)50-208														0.905	
EQT 150 3(IX)50-260														3.9	
EQT 151 3(IX)50-261														14.126	
EQT 152 3(IX)50-262														3.732	
EQT 153 3(IX)50-263														3.86	
EQT 154 3(IX)50-265														1.062	
EQT 155 3(IX)50-271														2.861	
EQT 156 3(IX)50-300														3.569	
EQT 157 3(IX)50-301														7.151	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

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 158 3(IX)50-510														1.842	
EQT 159 3(IX)50-511														1.842	
EQT 160 3(IX)50-512														3.6	
EQT 161 3(IX)50-513														4.799	
EQT 162 3(IX)50-514														4.799	
EQT 163 3(IX)50-515														6.601	
EQT 164 3(IX)50-516														6.177	
EQT 165 3(IX)50-519														2.78	
EQT 166 3(IX)51-1														725.74	
EQT 167 3(IX)51-2														722.659	
EQT 168 3(IX)51-4														725.416	
EQT 169 3(IX)51-5														720.104	
EQT 171 3(IX)51-10														11.263	
EQT 172 3(IX)51-11														94.412	
EQT 173 3(IX)51-19														403.398	
EQT 174 3(IX)51-20														409.342	
EQT 176 3(IX)51-24														640.266	
EQT 177 3(IX)51-25														644.505	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

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 178 3(IX)51-26														640.97	
EQT 179 3(IX)51-27														640.184	
EQT 180 3(IX)51-28														642.092	
EQT 181 3(IX)51-29														640.651	
EQT 182 3(IX)51-30														152.954	
EQT 183 3(IX)51-34														463.869	
EQT 184 3(IX)51-35														324.613	
EQT 185 3(IX)51-57														322.024	
EQT 186 3(IX)51-84														319.847	
EQT 187 3(IX)51-94														321.851	
EQT 188 3(IX)51-101														37.17	
EQT 189 3(IX)51-130														171.088	
EQT 190 3(IX)51-131														171.207	
EQT 191 3(IX)51-132														170.504	
EQT 192 3(IX)51-133														170.504	
EQT 193 3(IX)51-134														398.903	
EQT 194 3(IX)51-135														399.6	
EQT 195 3(IX)51-136														398.903	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

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 196 3(IX)51-137														398.889	
EQT 197 3(IX)51-138														402.122	
EQT 198 3(IX)51-139														399.67	
EQT 199 3(IX)51-140														146.76	
EQT 200 3(IX)51-141														145.76	
EQT 201 3(IX)51-192														83.056	
EQT 202 3(IX)51-193														83.056	
EQT 203 3(IX)51-194														83.033	
EQT 204 3(IX)51-195														82.07	
EQT 205 3(IX)51-210														161.971	
EQT 206 3(IX)51-211														161.95	
EQT 207 3(IX)51-212														156.33	
EQT 208 3(IX)51-213														156.345	
EQT 209 3(IX)51-214														156.966	
EQT 210 3(IX)51-215														71.982	
EQT 211 3(IX)51-216														81.681	
EQT 212 3(IX)51-217														71.969	
EQT 213 3(IX)51-218														156.049	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

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 214 3(IX)51-219														156.926	
EQT 215 3(IX)51-220														156.038	
EQT 216 3(IX)51-221														72.388	
EQT 217 3(IX)51-227														37.893	
EQT 218 3(IX)51-601														584.744	
EQT 219 3(IX)51-602														585.217	
EQT 220 3(IX)51-603														587.496	
EQT 221 3(IX)51-605														599.225	
EQT 222 3(IX)51-701														135.76	
EQT 273 3(IX)50-1001														12.246	
EQT 274 3(IX)50-1002														12.246	
EQT 276 3(IX)50-180														1.771	
EQT 277 3(IX)50-182														1.215	
EQT 278 3(IX)50-185														1.792	
EQT 279 3(IX)50-187														1.222	
EQT 280 3(IX)50-209														2.184	
EQT 281 3(IX)50-310														11.05	
EQT 282 3(IX)50-320														11.05	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

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 283 3(IX)50-330														11.05	
EQT 284 3(IX)50-80														12.305	
EQT 285 3(IX)50-TA														651.551	
EQT 286 3(IX)51-14														1.308	
EQT 287 3(IX)51-21														409.342	
EQT 288 3(IX)50-604														5.383	
EQT 289 3(IX)51-7														725.412	
EQT 402 3(IX)50-42A														36.958	
FUG 012 3(MISC)6													119.05		521.43
GRP 117 3(IX)50													117.13		513.03
GRP 118 3(IX)51													96.39		422.20
GRP 148 3(IX)64	0.12		0.51	0.52		2.28	9.40		41.15	7.63		33.41	3.08		13.51

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

Permit Phase Totals:

PM10: 3.64 tons/yr

SO2: 21.55 tons/yr

NOx: 85.11 tons/yr

CO: 82.76 tons/yr

VOC: 1581.15 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Benzene			Biphenyl			Carbon disulfide		
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 007 3(XXX)1	< 0.01	< 0.01	< 0.01												
EQT 059 3(IX)50-340					1.264			12.527							
EQT 062 3(IX)12															
EQT 063 3(IX)34		0.20			0.777			1.826							
EQT 064 3(IX)35		0.200			2.513			2.541							
EQT 065 3(IX)37	0.024		0.108	0.102		0.446	0.766		3.354	0.006		0.026	0.781		3.42
EQT 066 3(IX)38	0.002	0.011	0.009	0.079	0.43	0.348	0.159	0.861	0.696	0.002	0.011	0.009	0.002	0.011	0.009
EQT 073 3(IX)50-3					1.001			9.92							
EQT 074 3(IX)50-6					0.992			9.825							
EQT 075 3(IX)50-8					1.417			14.036							
EQT 076 3(IX)50-9					1.43			14.167							
EQT 077 3(IX)50-10					1.42			14.036							
EQT 078 3(IX)50-11					1.462			14.488							
EQT 079 3(IX)50-12					1.430			14.167							
EQT 080 3(IX)50-13					1.465			14.512							
EQT 081 3(IX)50-14					1.417			14.036							
EQT 082 3(IX)50-15					1.417			14.036							
EQT 083 3(IX)50-16					1.404			13.913							

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 007 3(XXX)1										< 0.01	0.08	0.01	0.08	5.98	0.34
EQT 059 3(IX)50-340											0.035			2.484	
EQT 062 3(IX)12															
EQT 063 3(IX)34											< 0.001			0.132	
EQT 064 3(IX)35											< 0.001			0.204	
EQT 065 3(IX)37	0.054		0.238	0.015		0.068	0.005		0.025	0.014		0.063	0.322		1.409
EQT 066 3(IX)38	0.002	0.011	0.009				0.002	0.011	0.009	0.002	0.011	0.009	0.04	0.215	0.174
EQT 073 3(IX)50-3											0.028			1.967	
EQT 074 3(IX)50-6											0.027			1.949	
EQT 075 3(IX)50-8											0.039			2.784	
EQT 076 3(IX)50-9											0.04			2.81	
EQT 077 3(IX)50-10											0.04			2.78	
EQT 078 3(IX)50-11											0.04			2.873	
EQT 079 3(IX)50-12											0.040			2.810	
EQT 080 3(IX)50-13											0.041			2.878	
EQT 081 3(IX)50-14											0.039			2.784	
EQT 082 3(IX)50-15											0.039			2.784	
EQT 083 3(IX)50-16											0.039			2.759	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER20070008

Permit Number: 2796-V6

Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene (and Methyl naphthalenes)		
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 007 3(XXX)1															
EQT 059 3(IX)50-340		0.251			12.527			12.527						0.199	
EQT 062 3(IX)12	1.163	30.574	5.094										0.022	0.254	0.099
EQT 063 3(IX)34		0.016			0.200			5.530						< 0.001	
EQT 064 3(IX)35		0.067			0.200			6.737						< 0.001	
EQT 065 3(IX)37	0.414		1.815	0.458		2.008	1.185		5.189	0.17		0.746	0.502		2.199
EQT 066 3(IX)38	0.007	0.061	0.031	0.04	0.215	0.174	0.397	2.152	1.74	0.002	0.011	0.009	0.099	0.538	0.435
EQT 073 3(IX)50-3		0.198			9.92			9.92						0.158	
EQT 074 3(IX)50-6		0.197			9.825			9.825						0.156	
EQT 075 3(IX)50-8		0.281			14.036			14.036						0.223	
EQT 076 3(IX)50-9		0.283			14.167			14.167						0.225	
EQT 077 3(IX)50-10		0.28			14.036			14.036						0.22	
EQT 078 3(IX)50-11		0.29			14.488			14.488						0.23	
EQT 079 3(IX)50-12		0.283			14.167			14.167						0.225	
EQT 080 3(IX)50-13		0.29			14.512			14.512						0.231	
EQT 081 3(IX)50-14		0.281			14.036			14.036						0.223	
EQT 082 3(IX)50-15		0.281			14.036			14.036						0.22	
EQT 083 3(IX)50-16		0.278			13.913			13.913						0.221	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocarbons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 007 3(XXX)1										0.01	0.49	0.03	0.31	23.28	1.34
EQT 059 3(IX)50-340											12.527			12.527	
EQT 062 3(IX)12				0.003	0.031	0.013	0.043	0.043	0.189						
EQT 063 3(IX)34					< 0.001						1.300			0.308	
EQT 064 3(IX)35					< 0.001						3.47			0.644	
EQT 065 3(IX)37	0.027		0.118	0.004		0.016				2.656		11.634	1.567		6.864
EQT 066 3(IX)38	0.004	0.022	0.017	0.127	0.689	0.557				0.397	2.152	1.74	0.199	1.076	0.87
EQT 073 3(IX)50-3											9.92			9.92	
EQT 074 3(IX)50-6											9.825			9.825	
EQT 075 3(IX)50-8											14.036			14.036	
EQT 076 3(IX)50-9											14.167			14.167	
EQT 077 3(IX)50-10											14.036			14.036	
EQT 078 3(IX)50-11											14.488			14.488	
EQT 079 3(IX)50-12											14.167			14.167	
EQT 080 3(IX)50-13											14.512			14.512	
EQT 081 3(IX)50-14											14.036			14.036	
EQT 082 3(IX)50-15											14.036			14.036	
EQT 083 3(IX)50-16											13.913			13.913	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 007 3(XXX)1			
EQT 059 3(IX)50-340		1.277	
EQT 062 3(IX)12			
EQT 063 3(IX)34		1.587	
EQT 064 3(IX)35		3.339	
EQT 065 3(IX)37	1.055		4.619
EQT 066 3(IX)38	0.596	3.227	2.611
EQT 073 3(IX)50-3		1.011	
EQT 074 3(IX)50-6		1.001	
EQT 075 3(IX)50-8		1.43	
EQT 076 3(IX)50-9		1.444	
EQT 077 3(IX)50-10		1.43	
EQT 078 3(IX)50-11		1.476	
EQT 079 3(IX)50-12		1.444	
EQT 080 3(IX)50-13		1.479	
EQT 081 3(IX)50-14		1.43	
EQT 082 3(IX)50-15		1.43	
EQT 083 3(IX)50-16		1.418	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			*2,2,4-Trimethylpentane*			*Benzene*			*Biphenyl*			*Carbon disulfide*		
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 084 3(IX)50-17					1.403			13.896							
EQT 085 3(IX)50-18					1.385			13.716							
EQT 086 3(IX)50-22					0.358			3.543							
EQT 087 3(IX)50-23					0.382			3.782							
EQT 088 3(IX)50-36					0.34			3.371							
EQT 089 3(IX)50-37					0.34			3.371							
EQT 090 3(IX)50-40					1.243			12.316							
EQT 091 3(IX)50-41					3.652			36.184							
EQT 093 3(IX)50-43					3.655			36.211							
EQT 094 3(IX)50-44					3.623			35.896							
EQT 095 3(IX)50-45					3.683			36.488							
EQT 096 3(IX)50-46					3.656			36.226							
EQT 097 3(IX)50-48					3.653			36.189							
EQT 098 3(IX)50-49					3.653			36.189							
EQT 099 3(IX)50-50					3.652			36.184							
EQT 100 3(IX)50-51					3.658			36.242							
EQT 101 3(IX)50-52					1.633			16.181							
EQT 102 3(IX)50-54					1.096			10.86							

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 084 3(IX)50-17											0.039			2.756	
EQT 085 3(IX)50-18											0.038			2.721	
EQT 086 3(IX)50-22											0.01			0.703	
EQT 087 3(IX)50-23											0.011			0.75	
EQT 088 3(IX)50-36											0.009			0.668	
EQT 089 3(IX)50-37											0.009			0.668	
EQT 090 3(IX)50-40											0.034			2.443	
EQT 091 3(IX)50-41											0.101			7.176	
EQT 093 3(IX)50-43											0.101			7.182	
EQT 094 3(IX)50-44											0.1			7.119	
EQT 095 3(IX)50-45											0.102			7.236	
EQT 096 3(IX)50-46											0.101			7.185	
EQT 097 3(IX)50-48											0.101			7.177	
EQT 098 3(IX)50-49											0.101			7.177	
EQT 099 3(IX)50-50											0.101			7.176	
EQT 100 3(IX)50-51											0.101			7.188	
EQT 101 3(IX)50-52											0.045			3.209	
EQT 102 3(IX)50-54											0.03			2.154	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene (and Methyl naphthalenes)		
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 084 3(IX)50-17		0.278			13.896			13.896						0.221	
EQT 085 3(IX)50-18		0.274			13.716			13.716						0.218	
EQT 086 3(IX)50-22		0.071			3.543			3.543						0.056	
EQT 087 3(IX)50-23		0.076			3.782			3.782						0.06	
EQT 088 3(IX)50-36		0.067			3.371			3.371						0.054	
EQT 089 3(IX)50-37		0.067			3.371			3.371						0.054	
EQT 090 3(IX)50-40		0.246			12.316			12.316						0.196	
EQT 091 3(IX)50-41		0.724			36.184			36.184						0.575	
EQT 093 3(IX)50-43		0.724			36.211			36.211						0.576	
EQT 094 3(IX)50-44		0.718			35.896			35.896						0.571	
EQT 095 3(IX)50-45		0.73			36.488			36.488						0.58	
EQT 096 3(IX)50-46		0.725			36.226			36.226						0.576	
EQT 097 3(IX)50-48		0.724			36.189			36.189						0.575	
EQT 098 3(IX)50-49		0.724			36.189			36.189						0.575	
EQT 099 3(IX)50-50		0.724			36.184			36.184						0.575	
EQT 100 3(IX)50-51		0.725			36.242			36.242						0.576	
EQT 101 3(IX)50-52		0.324			16.181			16.181						0.257	
EQT 102 3(IX)50-54		0.217			10.86			10.86						0.173	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocar bons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 084 3(IX)50-17											13.896			13.896	
EQT 085 3(IX)50-18											13.716			13.716	
EQT 086 3(IX)50-22											3.543			3.543	
EQT 087 3(IX)50-23											3.782			3.782	
EQT 088 3(IX)50-36											3.371			3.371	
EQT 089 3(IX)50-37											3.371			3.371	
EQT 090 3(IX)50-40											12.316			12.316	
EQT 091 3(IX)50-41											36.184			36.184	
EQT 093 3(IX)50-43											36.211			36.211	
EQT 094 3(IX)50-44											35.896			35.896	
EQT 095 3(IX)50-45											36.488			36.488	
EQT 096 3(IX)50-46											36.226			36.226	
EQT 097 3(IX)50-48											36.189			36.189	
EQT 098 3(IX)50-49											36.189			36.189	
EQT 099 3(IX)50-50											36.184			36.184	
EQT 100 3(IX)50-51											36.242			36.242	
EQT 101 3(IX)50-52											16.181			16.181	
EQT 102 3(IX)50-54											10.86			10.86	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 084 3(IX)50-17		1.416	
EQT 085 3(IX)50-18		1.398	
EQT 086 3(IX)50-22		0.358	
EQT 087 3(IX)50-23		0.385	
EQT 088 3(IX)50-36		0.343	
EQT 089 3(IX)50-37		0.343	
EQT 090 3(IX)50-40		1.255	
EQT 091 3(IX)50-41		3.687	
EQT 093 3(IX)50-43		3.69	
EQT 094 3(IX)50-44		3.658	
EQT 095 3(IX)50-45		3.718	
EQT 096 3(IX)50-46		3.691	
EQT 097 3(IX)50-48		3.688	
EQT 098 3(IX)50-49		3.688	
EQT 099 3(IX)50-50		3.687	
EQT 100 3(IX)50-51		3.63	
EQT 101 3(IX)50-52		1.649	
EQT 102 3(IX)50-54		1.107	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Benzene			Biphenyl			Carbon disulfide		
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 103 3(IX)50-55					1.523			15.089							
EQT 104 3(IX)50-56					1.502			14.88							
EQT 105 3(IX)50-60					1.173			11.619							
EQT 106 3(IX)50-61					0.094			0.221							
EQT 107 3(IX)50-62					0.088			0.207							
EQT 108 3(IX)50-63					0.094			0.221							
EQT 109 3(IX)50-66					0.088			0.207							
EQT 111 3(IX)50-81					1.259			12.472							
EQT 112 3(IX)50-83					0.532			5.273							
EQT 113 3(IX)50-85					1.266			12.542							
EQT 114 3(IX)50-87					0.711			7.048							
EQT 115 3(IX)50-88					0.651			6.451							
EQT 116 3(IX)50-89					1.086			10.764							
EQT 117 3(IX)50-91					1.261			12.497							
EQT 118 3(IX)50-92					1.573			15.588							
EQT 119 3(IX)50-93					1.373			13.601							
EQT 120 3(IX)50-97					0.469			4.648							
EQT 121 3(IX)50-98					0.469			4.648							

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 103 3(IX)50-55											0.042			2.993	
EQT 104 3(IX)50-56											0.042			2.951	
EQT 105 3(IX)50-60											0.032			2.304	
EQT 106 3(IX)50-61														0.038	
EQT 107 3(IX)50-62														0.036	
EQT 108 3(IX)50-63														0.038	
EQT 109 3(IX)50-66														0.036	
EQT 111 3(IX)50-81											0.035			2.474	
EQT 112 3(IX)50-83											0.015			1.046	
EQT 113 3(IX)50-85											0.035			2.487	
EQT 114 3(IX)50-87											0.02			1.398	
EQT 115 3(IX)50-88											0.018			1.279	
EQT 116 3(IX)50-89											0.03			2.135	
EQT 117 3(IX)50-91											0.035			2.478	
EQT 118 3(IX)50-92											0.044			3.091	
EQT 119 3(IX)50-93											0.038			2.697	
EQT 120 3(IX)50-97											0.013			0.922	
EQT 121 3(IX)50-98											0.013			0.922	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene (and Methyl napht alenes)		
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 103 3(IX)50-55		0.302			15.089			15.089						0.24	
EQT 104 3(IX)50-56		0.298			14.88			14.88						0.237	
EQT 105 3(IX)50-60		0.232			11.619			11.619						0.185	
EQT 106 3(IX)50-61		0.183						0.641						0.145	
EQT 107 3(IX)50-62		0.171						0.601						0.136	
EQT 108 3(IX)50-63		0.183						0.641						0.145	
EQT 109 3(IX)50-66		0.171						0.601						0.136	
EQT 111 3(IX)50-81		0.249			12.472			12.472						0.198	
EQT 112 3(IX)50-83		0.105			5.273			5.273						0.084	
EQT 113 3(IX)50-85		0.251			12.542			12.542						0.199	
EQT 114 3(IX)50-87		0.141			7.048			7.048						0.112	
EQT 115 3(IX)50-88		0.129			6.451			6.451						0.103	
EQT 116 3(IX)50-89		0.215			10.764			10.764						0.171	
EQT 117 3(IX)50-91		0.25			12.497			12.497						0.199	
EQT 118 3(IX)50-92		0.312			15.588			15.588						0.248	
EQT 119 3(IX)50-93		0.272			13.601			13.601						0.216	
EQT 120 3(IX)50-97		0.093			4.648			4.648						0.074	
EQT 121 3(IX)50-98		0.093			4.648			4.648						0.074	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocar bons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 103 3(IX)50-55											15.089			15.089	
EQT 104 3(IX)50-56											14.88			14.88	
EQT 105 3(IX)50-60											11.619			11.619	
EQT 106 3(IX)50-61											0.516			0.178	
EQT 107 3(IX)50-62											0.484			0.167	
EQT 108 3(IX)50-63											0.516			0.178	
EQT 109 3(IX)50-66											0.484			0.167	
EQT 111 3(IX)50-81											12.472			12.472	
EQT 112 3(IX)50-83											5.273			5.273	
EQT 113 3(IX)50-85											12.542			12.542	
EQT 114 3(IX)50-87											7.048			7.048	
EQT 115 3(IX)50-88											6.451			6.451	
EQT 116 3(IX)50-89											10.764			10.764	
EQT 117 3(IX)50-91											12.497			12.497	
EQT 118 3(IX)50-92											15.588			15.588	
EQT 119 3(IX)50-93											13.601			13.601	
EQT 120 3(IX)50-97											4.648			4.648	
EQT 121 3(IX)50-98											4.648			4.648	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 3(IX)50-55		1.538	
EQT 104 3(IX)50-56		1.516	
EQT 105 3(IX)50-60		1.184	
EQT 106 3(IX)50-61		0.931	
EQT 107 3(IX)50-62		0.873	
EQT 108 3(IX)50-63		0.931	
EQT 109 3(IX)50-66		0.873	
EQT 111 3(IX)50-81		1.271	
EQT 112 3(IX)50-83		0.537	
EQT 113 3(IX)50-85		1.278	
EQT 114 3(IX)50-87		0.718	
EQT 115 3(IX)50-88		0.657	
EQT 116 3(IX)50-89		1.097	
EQT 117 3(IX)50-91		1.273	
EQT 118 3(IX)50-92		1.588	
EQT 119 3(IX)50-93		1.386	
EQT 120 3(IX)50-97		0.474	
EQT 121 3(IX)50-98		0.474	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Benzene			Biphenyl			Carbon disulfide		
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 122 3(IX)50-99					4.699			46.556							
EQT 123 3(IX)50-100					4.402			43.614							
EQT 124 3(IX)50-101					4.26			42.212							
EQT 125 3(IX)50-103					2.849			28.223							
EQT 126 3(IX)50-104					3.311			32.806							
EQT 127 3(IX)50-105					3.121			30.919							
EQT 128 3(IX)50-106					3.123			30.943							
EQT 129 3(IX)50-142					0.348			3.445							
EQT 130 3(IX)50-143					0.409			4.057							
EQT 131 3(IX)50-144					0.395			3.915							
EQT 132 3(IX)50-145					0.409			4.056							
EQT 133 3(IX)50-151					0.889			8.809							
EQT 134 3(IX)50-152					1.041			10.317							
EQT 135 3(IX)50-153					1.041			10.317							
EQT 136 3(IX)50-154					1.053			10.435							
EQT 137 3(IX)50-188					0.621			6.151							
EQT 138 3(IX)50-189					0.619			6.129							
EQT 139 3(IX)50-190					0.587			5.82							

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 122 3(IX)50-99											0.13			9.233	
EQT 123 3(IX)50-100											0.122			8.65	
EQT 124 3(IX)50-101											0.118			8.372	
EQT 125 3(IX)50-103											0.079			5.597	
EQT 126 3(IX)50-104											0.092			6.506	
EQT 127 3(IX)50-105											0.086			6.132	
EQT 128 3(IX)50-106											0.086			6.137	
EQT 129 3(IX)50-142											0.01			0.683	
EQT 130 3(IX)50-143											0.011			0.805	
EQT 131 3(IX)50-144											0.011			0.776	
EQT 132 3(IX)50-145											0.011			0.804	
EQT 133 3(IX)50-151											0.025			1.747	
EQT 134 3(IX)50-152											0.029			2.046	
EQT 135 3(IX)50-153											0.029			2.046	
EQT 136 3(IX)50-154											0.029			2.069	
EQT 137 3(IX)50-188											0.017			1.22	
EQT 138 3(IX)50-189											0.017			1.215	
EQT 139 3(IX)50-190											0.016			1.154	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene (and Methyl naphthalenes)		
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 122 3(IX)50-99		0.931			46.556			46.556						0.74	
EQT 123 3(IX)50-100		0.872			43.614			43.614						0.693	
EQT 124 3(IX)50-101		0.844			42.212			42.212						0.671	
EQT 125 3(IX)50-103		0.564			28.223			28.223						0.449	
EQT 126 3(IX)50-104		0.656			32.806			32.806						0.522	
EQT 127 3(IX)50-105		0.618			30.919			30.919						0.492	
EQT 128 3(IX)50-106		0.619			30.943			30.943						0.492	
EQT 129 3(IX)50-142		0.069			3.445			3.445						0.055	
EQT 130 3(IX)50-143		0.081			4.057			4.057						0.065	
EQT 131 3(IX)50-144		0.078			3.915			3.915						0.062	
EQT 132 3(IX)50-145		0.081			4.056			4.056						0.064	
EQT 133 3(IX)50-151		0.176			8.809			8.809						0.14	
EQT 134 3(IX)50-152		0.206			10.317			10.317						0.164	
EQT 135 3(IX)50-153		0.206			10.317			10.317						0.164	
EQT 136 3(IX)50-154		0.209			10.435			10.435						0.166	
EQT 137 3(IX)50-188		0.123			6.151			6.151						0.098	
EQT 138 3(IX)50-189		0.123			6.129			6.129						0.097	
EQT 139 3(IX)50-190		0.116			5.82			5.82						0.093	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocarbons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 122 3(IX)50-99											46.556			46.556	
EQT 123 3(IX)50-100											43.614			43.614	
EQT 124 3(IX)50-101											42.212			42.212	
EQT 125 3(IX)50-103											28.223			28.223	
EQT 126 3(IX)50-104											32.806			32.806	
EQT 127 3(IX)50-105											30.919			30.919	
EQT 128 3(IX)50-106											30.943			30.943	
EQT 129 3(IX)50-142											3.445			3.445	
EQT 130 3(IX)50-143											4.057			4.057	
EQT 131 3(IX)50-144											3.915			3.915	
EQT 132 3(IX)50-145											4.056			4.056	
EQT 133 3(IX)50-151											8.809			8.809	
EQT 134 3(IX)50-152											10.317			10.317	
EQT 135 3(IX)50-153											10.317			10.317	
EQT 136 3(IX)50-154											10.435			10.435	
EQT 137 3(IX)50-188											6.151			6.151	
EQT 138 3(IX)50-189											6.129			6.129	
EQT 139 3(IX)50-190											5.82			5.82	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 3(IX)50-99		4.744	
EQT 123 3(IX)50-100		4.444	
EQT 124 3(IX)50-101		4.301	
EQT 125 3(IX)50-103		2.876	
EQT 126 3(IX)50-104		3.343	
EQT 127 3(IX)50-105		3.151	
EQT 128 3(IX)50-106		3.153	
EQT 129 3(IX)50-142		0.351	
EQT 130 3(IX)50-143		0.413	
EQT 131 3(IX)50-144		0.399	
EQT 132 3(IX)50-145		0.413	
EQT 133 3(IX)50-151		0.898	
EQT 134 3(IX)50-152		1.051	
EQT 135 3(IX)50-153		1.051	
EQT 136 3(IX)50-154		1.063	
EQT 137 3(IX)50-188		0.627	
EQT 138 3(IX)50-189		0.624	
EQT 139 3(IX)50-190		0.593	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Benzene			Biphenyl			Carbon disulfide		
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 140 3(IX)50-191					0.618			6.125							
EQT 141 3(IX)50-196					0.624			6.186							
EQT 142 3(IX)50-197					0.603			5.978							
EQT 143 3(IX)50-199					0.616			6.105							
EQT 144 3(IX)50-200					0.614			6.08							
EQT 145 3(IX)50-201					0.068			0.673							
EQT 146 3(IX)50-202					0.069			0.687							
EQT 147 3(IX)50-203					0.509			5.046							
EQT 148 3(IX)50-207					0.595			5.899							
EQT 149 3(IX)50-208					0.091			0.905							
EQT 150 3(IX)50-260					0.394			3.9							
EQT 151 3(IX)50-261					1.426			14.126							
EQT 152 3(IX)50-262					0.377			3.732							
EQT 153 3(IX)50-263					0.39			3.86							
EQT 154 3(IX)50-265					0.107			1.062							
EQT 155 3(IX)50-271					0.289			2.861							
EQT 156 3(IX)50-300					0.36			3.569							
EQT 157 3(IX)50-301					0.722			7.151							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 140 3(IX)50-191											0.017			1.215	
EQT 141 3(IX)50-196											0.017			1.227	
EQT 142 3(IX)50-197											0.017			1.186	
EQT 143 3(IX)50-199											0.017			1.211	
EQT 144 3(IX)50-200											0.017			1.206	
EQT 145 3(IX)50-201											0.002			0.133	
EQT 146 3(IX)50-202											0.002			0.136	
EQT 147 3(IX)50-203											0.014			1.001	
EQT 148 3(IX)50-207											0.016			1.17	
EQT 149 3(IX)50-208											0.003			0.18	
EQT 150 3(IX)50-260											0.011			0.774	
EQT 151 3(IX)50-261											0.039			2.802	
EQT 152 3(IX)50-262											0.01			0.74	
EQT 153 3(IX)50-263											0.011			0.765	
EQT 154 3(IX)50-265											0.003			0.211	
EQT 155 3(IX)50-271											0.008			0.567	
EQT 156 3(IX)50-300											0.01			0.708	
EQT 157 3(IX)50-301											0.02			1.418	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene (and Methyl naphthalenes)		
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 140 3(IX)50-191		0.122			6.125			6.125						0.097	
EQT 141 3(IX)50-196		0.124			6.186			6.186						0.098	
EQT 142 3(IX)50-197		0.12			5.978			5.978						0.095	
EQT 143 3(IX)50-199		0.122			6.105			6.105						0.097	
EQT 144 3(IX)50-200		0.122			6.08			6.08						0.097	
EQT 145 3(IX)50-201		0.013			0.673			0.673						0.011	
EQT 146 3(IX)50-202		0.014			0.687			0.687						0.011	
EQT 147 3(IX)50-203		0.101			5.046			5.046						0.08	
EQT 148 3(IX)50-207		0.118			5.899			5.899						0.094	
EQT 149 3(IX)50-208		0.018			0.905			0.905						0.014	
EQT 150 3(IX)50-260		0.078			3.9			3.9						0.062	
EQT 151 3(IX)50-261		0.283			14.126			14.126						0.225	
EQT 152 3(IX)50-262		0.075			3.732			3.732						0.059	
EQT 153 3(IX)50-263		0.077			3.86			3.86						0.061	
EQT 154 3(IX)50-265		0.021			1.062			1.062						0.017	
EQT 155 3(IX)50-271		0.057			2.861			2.861						0.045	
EQT 156 3(IX)50-300		0.071			3.569			3.569						0.057	
EQT 157 3(IX)50-301		0.143			7.151			7.151						0.114	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocarbons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 140 3(IX)50-191											6.125			6.125	
EQT 141 3(IX)50-196											6.186			6.186	
EQT 142 3(IX)50-197											5.978			5.978	
EQT 143 3(IX)50-199											6.105			6.105	
EQT 144 3(IX)50-200											6.08			6.08	
EQT 145 3(IX)50-201											0.673			0.673	
EQT 146 3(IX)50-202											0.687			0.687	
EQT 147 3(IX)50-203											5.046			5.046	
EQT 148 3(IX)50-207											5.899			5.899	
EQT 149 3(IX)50-208											0.905			0.905	
EQT 150 3(IX)50-260											3.9			3.9	
EQT 151 3(IX)50-261											14.126			14.126	
EQT 152 3(IX)50-262											3.732			3.732	
EQT 153 3(IX)50-263											3.86			3.86	
EQT 154 3(IX)50-265											1.062			1.062	
EQT 155 3(IX)50-271											2.861			2.861	
EQT 156 3(IX)50-300											3.569			3.569	
EQT 157 3(IX)50-301											7.151			7.151	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 3(IX)50-191		0.624	
EQT 141 3(IX)50-196		0.63	
EQT 142 3(IX)50-197		0.609	
EQT 143 3(IX)50-199		0.622	
EQT 144 3(IX)50-200		0.62	
EQT 145 3(IX)50-201		0.069	
EQT 146 3(IX)50-202		0.07	
EQT 147 3(IX)50-203		0.514	
EQT 148 3(IX)50-207		0.601	
EQT 149 3(IX)50-208		0.092	
EQT 150 3(IX)50-260		0.397	
EQT 151 3(IX)50-261		1.439	
EQT 152 3(IX)50-262		0.38	
EQT 153 3(IX)50-263		0.393	
EQT 154 3(IX)50-265		0.107	
EQT 155 3(IX)50-271		0.292	
EQT 156 3(IX)50-300		0.364	
EQT 157 3(IX)50-301		0.729	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Benzene			Biphenyl			Carbon disulfide		
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 158 3(IX)50-510					0.186			1.842							
EQT 159 3(IX)50-511					0.186			1.842							
EQT 160 3(IX)50-512					0.363			3.6							
EQT 161 3(IX)50-513					0.48			4.799							
EQT 162 3(IX)50-514					0.48			4.799							
EQT 163 3(IX)50-515					0.666			6.601							
EQT 164 3(IX)50-516					0.623			6.177							
EQT 165 3(IX)50-519					0.281			2.78							
EQT 166 3(IX)51-1					13.854			8.455							
EQT 167 3(IX)51-2					13.796			8.419							
EQT 168 3(IX)51-4					13.848			8.451							
EQT 169 3(IX)51-5					13.747			8.389							
EQT 171 3(IX)51-10					0.116			0.273							
EQT 172 3(IX)51-11					0.972			2.285							
EQT 173 3(IX)51-19					7.701			4.7							
EQT 174 3(IX)51-20					7.814			4.769							
EQT 176 3(IX)51-24					12.223			7.459							
EQT 177 3(IX)51-25					12.304			7.508							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 158 3(IX)50-510											0.005			0.365	
EQT 159 3(IX)50-511											0.005			0.365	
EQT 160 3(IX)50-512											0.01			0.714	
EQT 161 3(IX)50-513											0.01			0.95	
EQT 162 3(IX)50-514											0.01			0.95	
EQT 163 3(IX)50-515											0.018			1.309	
EQT 164 3(IX)50-516											0.017			1.225	
EQT 165 3(IX)50-519											0.008			0.551	
EQT 166 3(IX)51-1											2.018			7.032	
EQT 167 3(IX)51-2											2.009			7.003	
EQT 168 3(IX)51-4											2.017			7.029	
EQT 169 3(IX)51-5											2.002			6.978	
EQT 171 3(IX)51-10														0.047	
EQT 172 3(IX)51-11														0.397	
EQT 173 3(IX)51-19											1.121			3.909	
EQT 174 3(IX)51-20											1.138			3.967	
EQT 176 3(IX)51-24											1.78			6.204	
EQT 177 3(IX)51-25											1.792			6.245	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene (and Methyl naphthalenes)		
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 158 3(IX)50-510		0.037			1.842			1.84						0.029	
EQT 159 3(IX)50-511		0.037			1.842			1.84						0.029	
EQT 160 3(IX)50-512		0.072			3.6			3.6						0.057	
EQT 161 3(IX)50-513		0.1			4.799			4.799						0.08	
EQT 162 3(IX)50-514		0.1			4.799			4.799						0.08	
EQT 163 3(IX)50-515		0.132			6.601			6.601						0.105	
EQT 164 3(IX)50-516		0.124			6.177			6.177						0.098	
EQT 165 3(IX)50-519		0.056			2.78			2.78						0.044	
EQT 166 3(IX)51-1		0.145												8.927	
EQT 167 3(IX)51-2		0.145												8.889	
EQT 168 3(IX)51-4		0.145												8.923	
EQT 169 3(IX)51-5		0.144												8.857	
EQT 171 3(IX)51-10		0.225						0.791						0.179	
EQT 172 3(IX)51-11		1.888						6.628						1.501	
EQT 173 3(IX)51-19		0.081												4.962	
EQT 174 3(IX)51-20		0.082												5.035	
EQT 176 3(IX)51-24		0.128												7.875	
EQT 177 3(IX)51-25		0.129												7.927	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocarbons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 158 3(IX)50-510											1.842			1.842	
EQT 159 3(IX)50-511											1.842			1.842	
EQT 160 3(IX)50-512											3.6			3.6	
EQT 161 3(IX)50-513											4.799			4.799	
EQT 162 3(IX)50-514											4.799			4.799	
EQT 163 3(IX)50-515											6.601			6.601	
EQT 164 3(IX)50-516											6.177			6.177	
EQT 165 3(IX)50-519											2.78			2.78	
EQT 166 3(IX)51-1		0.181			6.749						15.582			38.188	
EQT 167 3(IX)51-2		0.181			6.721						15.515			38.026	
EQT 168 3(IX)51-4		0.181			6.746						15.575			38.171	
EQT 169 3(IX)51-5		0.18			6.697						15.461			37.892	
EQT 171 3(IX)51-10											0.636			0.22	
EQT 172 3(IX)51-11											5.334			1.841	
EQT 173 3(IX)51-19		0.101			3.752						8.661			21.227	
EQT 174 3(IX)51-20		0.102			3.807						8.789			21.54	
EQT 176 3(IX)51-24		0.16			5.954						13.747			33.691	
EQT 177 3(IX)51-25		0.161			5.994						13.838			33.914	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: *PER20070008*
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 158 3(IX)50-510		0.188	
EQT 159 3(IX)50-511		0.188	
EQT 160 3(IX)50-512		0.367	
EQT 161 3(IX)50-513		0.49	
EQT 162 3(IX)50-514		0.49	
EQT 163 3(IX)50-515		0.673	
EQT 164 3(IX)50-516		0.629	
EQT 165 3(IX)50-519		0.283	
EQT 166 3(IX)51-1		32.208	
EQT 167 3(IX)51-2		32.072	
EQT 168 3(IX)51-4		32.194	
EQT 169 3(IX)51-5		31.958	
EQT 171 3(IX)51-10		1.148	
EQT 172 3(IX)51-11		9.621	
EQT 173 3(IX)51-19		17.903	
EQT 174 3(IX)51-20		18.167	
EQT 176 3(IX)51-24		28.415	
EQT 177 3(IX)51-25		28.603	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Benzene			Biphenyl			Carbon disulfide		
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 178 3(IX)51-26					12.236			7.467							
EQT 179 3(IX)51-27					12.221			7.458							
EQT 180 3(IX)51-28					12.258			7.48							
EQT 181 3(IX)51-29					12.23			7.464							
EQT 182 3(IX)51-30					2.92			1.782							
EQT 183 3(IX)51-34					8.855			5.404							
EQT 184 3(IX)51-35					6.197			3.782							
EQT 185 3(IX)51-57					6.147			3.752							
EQT 186 3(IX)51-84					6.106			3.726							
EQT 187 3(IX)51-94					6.144			3.75							
EQT 188 3(IX)51-101					0.383			0.9							
EQT 189 3(IX)51-130					3.266			1.993							
EQT 190 3(IX)51-131					3.268			1.995							
EQT 191 3(IX)51-132					3.255			1.986							
EQT 192 3(IX)51-133					3.255			1.986							
EQT 193 3(IX)51-134					7.615			4.647							
EQT 194 3(IX)51-135					7.628			4.655							
EQT 195 3(IX)51-136					7.615			4.647							

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 178 3(IX)51-26											1.782			6.211	
EQT 179 3(IX)51-27											1.78			6.203	
EQT 180 3(IX)51-28											1.785			6.222	
EQT 181 3(IX)51-29											1.781			6.208	
EQT 182 3(IX)51-30											0.425			1.482	
EQT 183 3(IX)51-34											1.29			4.495	
EQT 184 3(IX)51-35											0.902			3.145	
EQT 185 3(IX)51-57											0.895			3.12	
EQT 186 3(IX)51-84											0.889			3.099	
EQT 187 3(IX)51-94											0.895			3.119	
EQT 188 3(IX)51-101														0.156	
EQT 189 3(IX)51-130											0.476			1.658	
EQT 190 3(IX)51-131											0.476			1.659	
EQT 191 3(IX)51-132											0.474			1.652	
EQT 192 3(IX)51-133											0.474			1.652	
EQT 193 3(IX)51-134											1.109			3.865	
EQT 194 3(IX)51-135											1.111			3.872	
EQT 195 3(IX)51-136											1.109			3.865	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene (and Methyl naphthalenes)		
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 178 3(IX)51-26		0.128												7.884	
EQT 179 3(IX)51-27		0.128												7.874	
EQT 180 3(IX)51-28		0.128												7.898	
EQT 181 3(IX)51-29		0.128												7.88	
EQT 182 3(IX)51-30		0.031												1.881	
EQT 183 3(IX)51-34		0.093												5.706	
EQT 184 3(IX)51-35		0.065												3.993	
EQT 185 3(IX)51-57		0.064												3.961	
EQT 186 3(IX)51-84		0.064												3.934	
EQT 187 3(IX)51-94		0.064												3.959	
EQT 188 3(IX)51-101		0.743						2.609						0.591	
EQT 189 3(IX)51-130		0.034												2.104	
EQT 190 3(IX)51-131		0.034												2.106	
EQT 191 3(IX)51-132		0.034												2.097	
EQT 192 3(IX)51-133		0.034												2.1	
EQT 193 3(IX)51-134		0.08												4.907	
EQT 194 3(IX)51-135		0.08												4.915	
EQT 195 3(IX)51-136		0.08												4.907	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocarbons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 178 3(IX)51-26		0.16			5.961						13.762			33.728	
EQT 179 3(IX)51-27		0.16			5.954						13.745			33.687	
EQT 180 3(IX)51-28		0.161			5.971						13.786			33.787	
EQT 181 3(IX)51-29		0.16			5.958						13.755			33.711	
EQT 182 3(IX)51-30		0.038			1.422						3.284			8.048	
EQT 183 3(IX)51-34		0.116			4.314						9.959			24.409	
EQT 184 3(IX)51-35		0.081			3.019						6.969			17.081	
EQT 185 3(IX)51-57		0.081			2.995						6.914			16.945	
EQT 186 3(IX)51-84		0.08			2.975						6.867			16.83	
EQT 187 3(IX)51-94		0.08			2.993						6.91			16.936	
EQT 188 3(IX)51-101											2.1			0.725	
EQT 189 3(IX)51-130		0.043			1.591						3.673			9.003	
EQT 190 3(IX)51-131		0.043			1.592						3.676			9.009	
EQT 191 3(IX)51-132		0.043			1.586						3.661			8.972	
EQT 192 3(IX)51-133		0.043			1.586						3.661			8.972	
EQT 193 3(IX)51-134		0.1			3.71						8.564			20.99	
EQT 194 3(IX)51-135		0.1			3.716						8.579			21.027	
EQT 195 3(IX)51-136		0.1			3.71						8.564			20.99	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 178 3(IX)51-26		28.446	
EQT 179 3(IX)51-27		28.411	
EQT 180 3(IX)51-28		28.496	
EQT 181 3(IX)51-29		28.432	
EQT 182 3(IX)51-30		6.788	
EQT 183 3(IX)51-34		20.587	
EQT 184 3(IX)51-35		14.406	
EQT 185 3(IX)51-57		14.291	
EQT 186 3(IX)51-84		14.195	
EQT 187 3(IX)51-94		14.284	
EQT 188 3(IX)51-101		3.788	
EQT 189 3(IX)51-130		7.593	
EQT 190 3(IX)51-131		7.598	
EQT 191 3(IX)51-132		7.567	
EQT 192 3(IX)51-133		7.567	
EQT 193 3(IX)51-134		17.703	
EQT 194 3(IX)51-135		17.734	
EQT 195 3(IX)51-136		17.703	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Benzene			Biphenyl			Carbon disulfide		
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 196 3(IX)51-137					7.615			4.647							
EQT 197 3(IX)51-138					7.677			4.685							
EQT 198 3(IX)51-139					7.63			4.656							
EQT 199 3(IX)51-140					2.802			1.71							
EQT 200 3(IX)51-141					2.783			1.698							
EQT 201 3(IX)51-192					1.586			0.968							
EQT 202 3(IX)51-193					1.586			0.968							
EQT 203 3(IX)51-194					1.585			0.967							
EQT 204 3(IX)51-195					1.567			0.956							
EQT 205 3(IX)51-210					3.092			1.887							
EQT 206 3(IX)51-211					3.092			1.887							
EQT 207 3(IX)51-212					2.984			1.821							
EQT 208 3(IX)51-213					2.985			1.821							
EQT 209 3(IX)51-214					2.996			1.829							
EQT 210 3(IX)51-215					1.374			0.839							
EQT 211 3(IX)51-216					1.559			0.952							
EQT 212 3(IX)51-217					1.374			0.838							
EQT 213 3(IX)51-218					2.979			1.818							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 196 3(IX)51-137											1.109			3.865	
EQT 197 3(IX)51-138											1.118			3.897	
EQT 198 3(IX)51-139											1.111			3.873	
EQT 199 3(IX)51-140											0.408			1.422	
EQT 200 3(IX)51-141											0.405			1.412	
EQT 201 3(IX)51-192											0.231			0.805	
EQT 202 3(IX)51-193											0.231			0.805	
EQT 203 3(IX)51-194											0.231			0.805	
EQT 204 3(IX)51-195											0.228			0.795	
EQT 205 3(IX)51-210											0.45			1.569	
EQT 206 3(IX)51-211											0.45			1.569	
EQT 207 3(IX)51-212											0.435			1.515	
EQT 208 3(IX)51-213											0.435			1.515	
EQT 209 3(IX)51-214											0.436			1.521	
EQT 210 3(IX)51-215											0.2			0.698	
EQT 211 3(IX)51-216											0.227			0.791	
EQT 212 3(IX)51-217											0.2			0.697	
EQT 213 3(IX)51-218											0.434			1.512	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			*Methanol*			*Methyl Tertiary Butyl Ether*			*Methyl ethyl ketone*			*Naphthalene (and Methyl naphthalenes)*		
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 196 3(IX)51-137		0.08												4.906	
EQT 197 3(IX)51-138		0.08												4.946	
EQT 198 3(IX)51-139		0.08												4.916	
EQT 199 3(IX)51-140		0.029												1.805	
EQT 200 3(IX)51-141		0.029												1.793	
EQT 201 3(IX)51-192		0.017												1.022	
EQT 202 3(IX)51-193		0.017												1.022	
EQT 203 3(IX)51-194		0.017												1.021	
EQT 204 3(IX)51-195		0.016												1.009	
EQT 205 3(IX)51-210		0.032												1.992	
EQT 206 3(IX)51-211		0.032												1.992	
EQT 207 3(IX)51-212		0.031												1.923	
EQT 208 3(IX)51-213		0.031												1.923	
EQT 209 3(IX)51-214		0.031												1.931	
EQT 210 3(IX)51-215		0.014												0.885	
EQT 211 3(IX)51-216		0.016												1.005	
EQT 212 3(IX)51-217		0.014												0.885	
EQT 213 3(IX)51-218		0.031												1.919	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocarbons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 196 3(IX)51-137		0.1			3.71						8.564			20.99	
EQT 197 3(IX)51-138		0.101			3.74						8.634			21.16	
EQT 198 3(IX)51-139		0.1			3.717						8.581			21.031	
EQT 199 3(IX)51-140		0.037			1.365						3.151			7.722	
EQT 200 3(IX)51-141		0.036			1.356						3.129			7.670	
EQT 201 3(IX)51-192		0.021			0.772						1.783			4.37	
EQT 202 3(IX)51-193		0.021			0.772						1.783			4.37	
EQT 203 3(IX)51-194		0.021			0.772						1.783			4.369	
EQT 204 3(IX)51-195		0.021			0.763						1.762			4.319	
EQT 205 3(IX)51-210		0.04			1.506						3.478			8.523	
EQT 206 3(IX)51-211		0.04			1.506						3.477			8.522	
EQT 207 3(IX)51-212		0.039			1.454						3.356			8.226	
EQT 208 3(IX)51-213		0.039			1.454						3.357			8.227	
EQT 209 3(IX)51-214		0.039			1.46						3.37			8.26	
EQT 210 3(IX)51-215		0.018			0.669						1.545			3.788	
EQT 211 3(IX)51-216		0.02			0.76						1.754			4.298	
EQT 212 3(IX)51-217		0.018			0.669						1.545			3.787	
EQT 213 3(IX)51-218		0.039			1.451						3.35			8.211	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 196 3(IX)51-137		17.703	
EQT 197 3(IX)51-138		17.846	
EQT 198 3(IX)51-139		17.737	
EQT 199 3(IX)51-140		6.513	
EQT 200 3(IX)51-141		6.469	
EQT 201 3(IX)51-192		3.686	
EQT 202 3(IX)51-193		3.686	
EQT 203 3(IX)51-194		3.685	
EQT 204 3(IX)51-195		3.642	
EQT 205 3(IX)51-210		7.188	
EQT 206 3(IX)51-211		7.187	
EQT 207 3(IX)51-212		6.938	
EQT 208 3(IX)51-213		6.939	
EQT 209 3(IX)51-214		6.966	
EQT 210 3(IX)51-215		3.195	
EQT 211 3(IX)51-216		3.625	
EQT 212 3(IX)51-217		3.194	
EQT 213 3(IX)51-218		6.925	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Benzene			Biphenyl			Carbon disulfide		
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 214 3(IX)51-219					2.996			1.828							
EQT 215 3(IX)51-220					2.979			1.818							
EQT 216 3(IX)51-221					1.382			0.843							
EQT 217 3(IX)51-227					0.723			0.441							
EQT 218 3(IX)51-601					11.163			6.812							
EQT 219 3(IX)51-602					11.172			6.818							
EQT 220 3(IX)51-603					11.215			6.844							
EQT 221 3(IX)51-605					11.439			6.981							
EQT 222 3(IX)51-701					2.592			1.582							
EQT 273 3(IX)50-1001					1.236			12.246							
EQT 274 3(IX)50-1002					1.236			12.246							
EQT 276 3(IX)50-180					0.179			1.771							
EQT 277 3(IX)50-182					0.123			1.215							
EQT 278 3(IX)50-185					0.181			1.792							
EQT 279 3(IX)50-187					0.123			1.222							
EQT 280 3(IX)50-209					0.22			2.184							
EQT 281 3(IX)50-310					1.115			11.05							
EQT 282 3(IX)50-320					1.115			11.05							

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 214 3(IX)51-219											0.436			1.521	
EQT 215 3(IX)51-220											0.434			1.512	
EQT 216 3(IX)51-221											0.201			0.701	
EQT 217 3(IX)51-227											0.105			0.367	
EQT 218 3(IX)51-601											1.626			5.666	
EQT 219 3(IX)51-602											1.627			5.671	
EQT 220 3(IX)51-603											1.633			5.693	
EQT 221 3(IX)51-605											1.666			5.806	
EQT 222 3(IX)51-701											0.377			1.316	
EQT 273 3(IX)50-1001											0.034			2.429	
EQT 274 3(IX)50-1002											0.034			2.429	
EQT 276 3(IX)50-180											0.005			0.351	
EQT 277 3(IX)50-182											0.003			0.241	
EQT 278 3(IX)50-185											0.005			0.355	
EQT 279 3(IX)50-187											0.003			0.242	
EQT 280 3(IX)50-209											0.006			0.433	
EQT 281 3(IX)50-310											0.031			2.191	
EQT 282 3(IX)50-320											0.031			2.191	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene (and Methyl naphthalenes)		
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 214 3(IX)51-219		0.031												1.93	
EQT 215 3(IX)51-220		0.031												1.919	
EQT 216 3(IX)51-221		0.014												0.89	
EQT 217 3(IX)51-227		0.008												0.466	
EQT 218 3(IX)51-601		0.117												7.192	
EQT 219 3(IX)51-602		0.117												7.198	
EQT 220 3(IX)51-603		0.117												7.226	
EQT 221 3(IX)51-605		0.12												7.37	
EQT 222 3(IX)51-701		0.027												1.67	
EQT 273 3(IX)50-1001		0.245			12.246			12.246						0.195	
EQT 274 3(IX)50-1002		0.245			12.246			12.246						0.195	
EQT 276 3(IX)50-180		0.035			1.771			1.771						0.028	
EQT 277 3(IX)50-182		0.024			1.215			1.215						0.019	
EQT 278 3(IX)50-185		0.036			1.792			1.792						0.028	
EQT 279 3(IX)50-187		0.024			1.222			1.222						0.019	
EQT 280 3(IX)50-209		0.044			2.184			2.184						0.035	
EQT 281 3(IX)50-310		0.221			11.05			11.05						0.176	
EQT 282 3(IX)50-320		0.221			11.05			11.05						0.176	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocarbons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 214 3(IX)51-219		0.039			1.459						3.369			8.257	
EQT 215 3(IX)51-220		0.039			1.451						3.35			8.211	
EQT 216 3(IX)51-221		0.018			0.673						1.554			3.809	
EQT 217 3(IX)51-227		0.009			0.352						0.814			1.994	
EQT 218 3(IX)51-601		0.146			5.438						12.554			30.769	
EQT 219 3(IX)51-602		0.146			5.443						12.565			30.794	
EQT 220 3(IX)51-603		0.147			5.464						12.614			30.914	
EQT 221 3(IX)51-605		0.15			5.573						12.865			31.531	
EQT 222 3(IX)51-701		0.034			1.263						2.915			7.144	
EQT 273 3(IX)50-1001											12.246			12.246	
EQT 274 3(IX)50-1002											12.246			12.246	
EQT 276 3(IX)50-180											1.771			1.771	
EQT 277 3(IX)50-182											1.215			1.215	
EQT 278 3(IX)50-185											1.792			1.792	
EQT 279 3(IX)50-187											1.222			1.222	
EQT 280 3(IX)50-209											2.184			2.184	
EQT 281 3(IX)50-310											11.05			11.05	
EQT 282 3(IX)50-320											11.05			11.05	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 214 3(IX)51-219		6.964	
EQT 215 3(IX)51-220		6.925	
EQT 216 3(IX)51-221		3.213	
EQT 217 3(IX)51-227		1.682	
EQT 218 3(IX)51-601		25.951	
EQT 219 3(IX)51-602		25.972	
EQT 220 3(IX)51-603		26.073	
EQT 221 3(IX)51-605		26.594	
EQT 222 3(IX)51-701		6.025	
EQT 273 3(IX)50-1001		1.248	
EQT 274 3(IX)50-1002		1.248	
EQT 276 3(IX)50-180		0.18	
EQT 277 3(IX)50-182		0.124	
EQT 278 3(IX)50-185		0.183	
EQT 279 3(IX)50-187		0.125	
EQT 280 3(IX)50-209		0.223	
EQT 281 3(IX)50-310		1.126	
EQT 282 3(IX)50-320		1.126	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
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Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	1,3-Butadiene			2,2,4-Trimethylpentane			Benzene			Biphenyl			Carbon disulfide		
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 283 3(IX)50-330					1.115			11.05							
EQT 284 3(IX)50-80					1.242			12.305							
EQT 285 3(IX)50-TA					0.955			14.023							
EQT 286 3(IX)51-14					0.013			0.032							
EQT 287 3(IX)51-21					7.814			4.769							
EQT 288 3(IX)50-604					0.543			5.383							
EQT 289 3(IX)51-7					13.848			8.451							
EQT 402 3(IX)50-42A					3.730			36.958							
FUG 012 3(MISC)6	0.025		0.110	0.055		0.240	2.909		12.742						
GRP 117 3(IX)50				0.500		2.189	4.280		18.745						
GRP 118 3(IX)51				0.870		3.809	0.560		2.452						
GRP 148 3(IX)64	0.02		0.09	0.22		0.98	0.17		0.74						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Carbon tetrachloride			Chlorine			Cresol			Cumene			Ethyl benzene		
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 283 3(IX)50-330											0.031			2.191	
EQT 284 3(IX)50-80											0.034			2.44	
EQT 285 3(IX)50-TA											0.022			2.315	
EQT 286 3(IX)51-14														0.005	
EQT 287 3(IX)51-21											1.138			3.967	
EQT 288 3(IX)50-604											0.015			1.068	
EQT 289 3(IX)51-7											2.017			7.029	
EQT 402 3(IX)50-42A											0.103			7.330	
FUG 012 3(MISC)6										0.005		0.023	0.533		2.333
GRP 117 3(IX)50										0.006		0.025	0.673		2.949
GRP 118 3(IX)51										0.126		0.551	0.442		1.938
GRP 148 3(IX)64										< 0.01		< 0.001	0.02		0.09

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Hydrogen sulfide			Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Naphthalene (and Methyl naphthalenes)		
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 283 3(IX)50-330		0.221			11.05			11.05						0.176	
EQT 284 3(IX)50-80		0.246			12.305			12.305						0.196	
EQT 285 3(IX)50-TA		2.258			5.794			41.917							
EQT 286 3(IX)51-14		0.026						0.092						0.021	
EQT 287 3(IX)51-21		0.082												5.035	
EQT 288 3(IX)50-604		0.108			5.383			5.383						0.086	
EQT 289 3(IX)51-7		0.145												8.923	
EQT 402 3(IX)50-42A		0.739			36.958			36.958						0.588	
FUG 012 3(MISC)6				0.688		3.014	1.377		6.032				0.215		0.942
GRP 117 3(IX)50	0.305		1.344	0.423		1.854	3.095		13.556				0.045		0.196
GRP 118 3(IX)51	0.005		0.020				0.045		0.197				0.483		2.116
GRP 148 3(IX)64	0.01		0.02	0.02		0.09	0.65		2.84				< 0.001		< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	Phenol			Polynuclear Aromatic Hydrocar bons			Sulfuric acid			Toluene			Xylene (mixed isomers)		
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 283 3(IX)50-330											11.05			11.05	
EQT 284 3(IX)50-80											12.305			12.305	
EQT 285 3(IX)50-TA											14.681			9.468	
EQT 286 3(IX)51-14											0.074			0.026	
EQT 287 3(IX)51-21		0.102			3.807						8.789			21.54	
EQT 288 3(IX)50-604											5.383			5.383	
EQT 289 3(IX)51-7		0.181			6.746						15.575			38.171	
EQT 402 3(IX)50-42A											36.958			36.958	
FUG 012 3(MISC)6										2.432		10.653	2.893		12.671
GRP 117 3(IX)50										4.008		17.554	2.763		12.103
GRP 118 3(IX)51	0.011		0.050	0.087		0.382				1.024		4.486	2.400		10.510
GRP 148 3(IX)64				< 0.001		< 0.001				0.27		1.18	0.07		0.29

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

	n-Hexane		
Subject Item	**Avg lb/hr**	**Max lb/hr**	**Tons/Year**
EQT 283 3(IX)50-330		1.126	
EQT 284 3(IX)50-80		1.254	
EQT 285 3(IX)50-TA		24.394	
EQT 286 3(IX)51-14		0.133	
EQT 287 3(IX)51-21		18.167	
EQT 288 3(IX)50-604		0.549	
EQT 289 3(IX)51-7		32.194	
EQT 402 3(IX)50-42A		3.766	
FUG 012 3(MISC)6	1.529		6.699
GRP 117 3(IX)50	4.172		18.272
GRP 118 3(IX)51	2.075		9.090
GRP 148 3(IX)64	0.31		1.34

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

Permit Parameter Totals:

1,3-Butadiene: 0.32 tons/yr

2,2,4-Trimethylpentane: 8.01 tons/yr

Benzene: 38.73 tons/yr

Biphenyl: 0.04 tons/yr

Carbon disulfide: 3.43 tons/yr

Carbon tetrachloride: 0.25 tons/yr

Chlorine: 0.07 tons/yr

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

All phases

Cresol: 0.04 tons/yr
Cumene: 0.68 tons/yr
Ethyl benzene: 9.23 tons/yr
Hydrogen sulfide: 8.33 tons/yr
Methanol: 7.14 tons/yr
Methyl ethyl ketone: 0.76 tons/yr
Methyl Tertiary Butyl Ether: 29.55 tons/yr
n-Hexane: 42.63 tons/yr
Naphthalene (and Methyl naphtalenes): 5.99 tons/yr
Phenol: 0.19 tons/yr
Polynuclear Aromatic Hydrocarbons: 0.97 tons/yr
Sulfuric acid: 0.19 tons/yr
Toluene: 47.27 tons/yr
Xylene (mixed isomers): 44.65 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

QT007 3(XXX)1 - Vapor Combustor System - Marine Dock

1 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 (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

2 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

QT063 3(IX)34 - B-13 Flare ("A"Dock)

3 Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. [LAC 33:III.2108.C.1]

4 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

5 Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal). [LAC 33:III.2108.C.3.a]
Which Months: All Year Statistical Basis: None specified

6 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal). [LAC 33:III.2108.C.3.b]
Which Months: All Year Statistical Basis: None specified

7 Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal). [LAC 33:III.2108.C.3.c]
Which Months: All Year Statistical Basis: None specified

8 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal). [LAC 33:III.2108.C.3.d]
Which Months: All Year Statistical Basis: None specified

9 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system. [LAC 33:III.2108.C.5]

10 Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done. [LAC 33:III.2108.C.6]

11 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]

12 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]

13 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]

14 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]

15 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]

16 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]

17 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]

18 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

19 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)]

20 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)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

QT063 3(IX)34 - B-13 Flare ("A"Dock)

21 Exit Velocity <_ 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

22 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)]

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

24 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

25 If loading marine vessels only, achieve compliance with the provisions in 40 CFR 61 Subpart BB on and after July 23, 1991. If loading marine vessels and tank trucks or railcars, the marine vessel loading racks must achieve compliance with 40 CFR 61 Subpart BB on and after July 23, 1991, while the tank truck loading racks and railcar loading racks must achieve compliance as required by 40 CFR 61.12. Subpart BB. [40 CFR 61.300(e)]

26 Equip with a vapor collection system that is designed to collect all benzene vapors displaced from tank trucks, railcars, or marine vessels during loading, and to prevent any benzene vapors collected at one loading rack from passing through another loading rack to the atmosphere. Subpart BB. [40 CFR 61.302(a)]

27 Benzene >= 98 % reduction by weight using a control device. Subpart BB. [40 CFR 61.302(b)]
Which Months: All Year Statistical Basis: None specified

28 Limit loading of benzene into vapor-tight tank trucks and vapor-tight railcars by obtaining the vapor-tightness documentation described in 40 CFR 61.305(h) for each tank truck or railcar loaded. The test date in the documentation must be within the preceding 12 months. Cross-check the identification number for each tank truck or railcar to be loaded with the file of vapor-tightness documentation before the corresponding tank truck or railcar is loaded. If no documentation is on file, obtain a copy of the information from the tank truck or railcar operator before the tank truck or railcar is loaded. Subpart BB. [40 CFR 61.302(d)]

29 Limit the loading of benzene into marine vessels to those vessels that are vapor tight by ensuring that each marine vessel is loaded with the benzene product tank below atmospheric pressure (i.e., at negative pressure). If the pressure is measured at the interface between shoreside vapor collection pipe and marine vessel vapor line, the pressure measured according to the procedures in 40 CFR 61.303(f) must be below atmospheric pressure. Subpart BB. [40 CFR 61.302(e)(1)]

30 Limit the loading of benzene into marine vessels to those vessels that are vapor tight by obtaining a copy of the marine vessel's vapor-tightness documentation described in 40 CFR 61.305(h) for a test conducted within the preceding 12 months in accordance with 40 CFR 61.304(f). Subpart BB. [40 CFR 61.302(e)(3)]

31 Limit loading of benzene to tank trucks, railcars, and marine vessels equipped with vapor collection equipment that is compatible with the facility's vapor collection system. Subpart BB. [40 CFR 61.302(f)]

32 Limit loading of benzene into tank trucks, railcars, and marine vessels to those whose collection systems are connected to the facility's vapor collection systems. Subpart BB. [40 CFR 61.302(g)]

33 Ensure that the vapor collection and benzene loading equipment of tank trucks and railcars is designed and operated to prevent gauge pressure in the tank truck or railcar tank from exceeding, during loading, the initial pressure the tank was pressured up to and shown to be vapor tight at during the most recent vapor-tightness test using 40 CFR 60, Appendix A, Method 27. This vapor-tightness test pressure is not to be exceeded when measured by the procedures specified in 40 CFR 61.304(c). Subpart BB. [40 CFR 61.302(h)]

34 Ensure that no pressure-vacuum vent in the vapor collection system for tank trucks and railcars shall begin to open at a system pressure less than the maximum pressure at which the tank truck or railcar is operated. Subpart BB. [40 CFR 61.302(i)]

35 Ensure that the maximum normal operating pressure of the marine vessel's vapor collection equipment shall not exceed 0.8 times the relief set pressure of the pressure-vacuum vents. This level is not to be exceeded when measured by the procedures specified in 40 CFR 61.304(d). Subpart BB. [40 CFR 61.302(j)]

36 Determine compliance with 40 CFR 61.302 using the test methods and procedures specified in 40 CFR 61.304(a) through (f), as appropriate. Subpart BB. [40 CFR 61.304]

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37 Submit report: Due quarterly. Submit the initial report within 90 days after the effective date of 40 CFR 61 Subpart BB or 90 days after startup for a source that has an initial startup date after the effective date. Include the information specified in 40 CFR 61.605(f)(1) through (f)(5). Subpart BB. [40 CFR 61.305(f)]

38 Keep the vapor-tightness documentation required under 40 CFR 61.302(d) and (e) on file at the affected facility in a permanent form available for inspection. Subpart BB. [40 CFR 61.305(g)]

39 Update the documentation file required under 40 CFR 61.302(d) and (e) for each tank truck, railcar, or marine vessel at least once per year to reflect current test results as determined by the appropriate method. Include, as a minimum, the information specified in 40 CFR 61.305(h)(1) through (h)(8). Subpart BB. [40 CFR 61.305(h)]

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

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

42 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)]

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

44 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

45 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

46 Exit Velocity <_ 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

47 HAP >= 98 % reduction by weight from marine tank vessel loading operations, as determined using methods in 40 CFR 63.565 (d) and (l). Subpart Y. [40 CFR 63.562(b)(3)]
Which Months: All Year Statistical Basis: None specified

48 VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]
Which Months: All Year Statistical Basis: None specified

49 Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]

50 Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]

51 Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]

52 When a leak is detected, make a first effort to repair the vapor collection system and control device within 15 days or prior to the next marine tank vessel loading operation, whichever is later. Subpart Y. [40 CFR 63.563(c)(3)]

53 Submit all information concerning out of control periods, including start and end dates and hours and descriptions of corrective actions taken, in the excess emissions and continuous monitoring system performance report required in 40 CFR 63.567(e). Subpart Y. [40 CFR 63.564(a)(5)]

54 Secure each by-pass line valve in the closed position with a car-seal or lock-and-key type configuration. Subpart Y. [40 CFR 63.564(b)(3)]

55 Presence of a flame monitored by heat sensing device continuously. Install a heat sensing device (an ultraviolet beam sensor or thermocouple) at the pilot light to indicate the presence of a flame during the entire loading cycle. Subpart Y. [40 CFR 63.564(f)]
Which Months: All Year Statistical Basis: None specified

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Air - Title V Regular Permit Minor Mod

QT063 3(IX)34 - B-13 Flare ("A"Dock)

56 Presence of a flame recordkeeping by electronic or hard copy continuously. Record the presence of the flare pilot flame. Subpart Y. [40 CFR 63.564(f)]

57 Determine compliance with 40 CFR 63 Subpart Y using the test methods and procedures specified in 40 CFR 63.565(a) through (m), as applicable. Subpart Y. [40 CFR 63.565(a)]

58 Submit with the initial performance test and maintain in an accessible location on site an engineering report describing in detail the vent system, or vapor collection system, used to vent each stream to a control device. Include all valves and vent pipes that could vent the stream to the atmosphere, thereby bypassing the control device, and identify which valves are car-sealed opened and which valves are car-sealed closed. Subpart Y. [40 CFR 63.567(f)]

59 Equipment/operational data recordkeeping by electronic or hard copy continuously. Equipment/operational data recordkeeping by electronic/hard copy continuously. Keep records of the information specified in 40 CFR 63.567(h) through (j), as applicable. Subpart Y. [40 CFR 63.567(g)]

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

QT064 3(IX)35 - B-14 Flare ("B/C"Dock)

61 Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. [LAC 33:III.2108.C.1]

62 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

63 Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal). [LAC 33:III.2108.C.3.a]
Which Months: All Year Statistical Basis: None specified

64 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal). [LAC 33:III.2108.C.3.b]
Which Months: All Year Statistical Basis: None specified

65 Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal). [LAC 33:III.2108.C.3.c]
Which Months: All Year Statistical Basis: None specified

66 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal). [LAC 33:III.2108.C.3.d]
Which Months: All Year Statistical Basis: None specified

67 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system. [LAC 33:III.2108.C.5]

68 Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done. [LAC 33:III.2108.C.6]

69 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]

70 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]

71 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]

72 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]

73 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]

74 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]

75 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]

76 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

QT064 **3(IX)35 - B-14 Flare ("B/C"Dock)**

77 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)]

78 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)]

79 Exit Velocity <_ 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

80 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)]

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

82 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

83 If loading marine vessels only, achieve compliance with the provisions in 40 CFR 61 Subpart BB on and after July 23, 1991. If loading marine vessels and tank trucks or railcars, the marine vessel loading racks must achieve compliance with 40 CFR 61 Subpart BB on and after July 23, 1991, while the tank truck loading racks and railcar loading racks must achieve compliance as required by 40 CFR 61.12. Subpart BB. [40 CFR 61.300(e)]

84 Equip with a vapor collection system that is designed to collect all benzene vapors displaced from tank trucks, railcars, or marine vessels during loading, and to prevent any benzene vapors collected at one loading rack from passing through another loading rack to the atmosphere. Subpart BB. [40 CFR 61.302(a)]

85 Benzene >= 98 % reduction by weight using a control device. Subpart BB. [40 CFR 61.302(b)]
Which Months: All Year Statistical Basis: None specified

86 Limit loading of benzene into vapor-tight tank trucks and vapor-tight railcars by obtaining the vapor-tightness documentation described in 40 CFR 61.305(h) for each tank truck or railcar loaded. The test date in the documentation must be within the preceding 12 months. Cross-check the identification number for each tank truck or railcar to be loaded with the file of vapor-tightness documentation before the corresponding tank truck or railcar is loaded. If no documentation is on file, obtain a copy of the information from the tank truck or railcar operator before the tank truck or railcar is loaded. Subpart BB. [40 CFR 61.302(d)]

87 Limit the loading of benzene into marine vessels to those vessels that are vapor tight by ensuring that each marine vessel is loaded with the benzene product tank below atmospheric pressure (i.e., at negative pressure). If the pressure is measured at the interface between shoreside vapor collection pipe and marine vessel vapor line, the pressure measured according to the procedures in 40 CFR 61.303(f) must be below atmospheric pressure. Subpart BB. [40 CFR 61.302(e)(1)]

88 Limit the loading of benzene into marine vessels to those vessels that are vapor tight by obtaining a copy of the marine vessel's vapor-tightness documentation described in 40 CFR 61.305(h) for a test conducted within the preceding 12 months in accordance with 40 CFR 61.304(f). Subpart BB. [40 CFR 61.302(e)(3)]

89 Limit loading of benzene to tank trucks, railcars, and marine vessels equipped with vapor collection equipment that is compatible with the facility's vapor collection system. Subpart BB. [40 CFR 61.302(f)]

90 Limit loading of benzene into tank trucks, railcars, and marine vessels to those whose collection systems are connected to the facility's vapor collection systems. Subpart BB. [40 CFR 61.302(g)]

91 Ensure that the vapor collection and benzene loading equipment of tank trucks and railcars is designed and operated to prevent gauge pressure in the tank truck or railcar tank from exceeding, during loading, the initial pressure the tank was pressured up to and shown to be vapor tight at during the most recent vapor-tightness test using 40 CFR 60, Appendix A, Method 27. This vapor-tightness test pressure is not to be exceeded when measured by the procedures specified in 40 CFR 61.304(c). Subpart BB. [40 CFR 61.302(h)]

92 Ensure that no pressure-vacuum vent in the vapor collection system for tank trucks and railcars shall begin to open at a system pressure less than the maximum pressure at which the tank truck or railcar is operated. Subpart BB. [40 CFR 61.302(i)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

2T064 3(IX)35 - B-14 Flare ("B/C"Dock)

93 Ensure that the maximum normal operating pressure of the marine vessel's vapor collection equipment shall not exceed 0.8 times the relief set pressure of the pressure-vacuum vents. This level is not to be exceeded when measured by the procedures specified in 40 CFR 61.304(d). Subpart BB. [40 CFR 61.302(j)]

94 Determine compliance with 40 CFR 61.302 using the test methods and procedures specified in 40 CFR 61.304(a) through (f), as appropriate. Subpart BB. [40 CFR 61.304]

95 Submit report: Due quarterly. Submit the initial report within 90 days after the effective date of 40 CFR 61 Subpart BB or 90 days after startup for a source that has an initial startup date after the effective date. Include the information specified in 40 CFR 61.605(f)(1) through (f)(5). Subpart BB. [40 CFR 61.305(f)]

96 Keep the vapor-tightness documentation required under 40 CFR 61.302(d) and (e) on file at the affected facility in a permanent form available for inspection. Subpart BB. [40 CFR 61.305(g)]

97 Update the documentation file required under 40 CFR 61.302(d) and (e) for each tank truck, railcar, or marine vessel at least once per year to reflect current test results as determined by the appropriate method. Include, as a minimum, the information specified in 40 CFR 61.305(h)(1) through (h)(8). Subpart BB. [40 CFR 61.305(h)]

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

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

100 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)]

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

102 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

103 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

104 Exit Velocity <_ 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

105 HAP >= 98 % reduction by weight from marine tank vessel loading operations, as determined using methods in 40 CFR 63.565 (d) and (l). Subpart Y. [40 CFR 63.562(b)(3)]
Which Months: All Year Statistical Basis: None specified

106 VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]
Which Months: All Year Statistical Basis: None specified

107 Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]

108 Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]

109 Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]

110 When a leak is detected, make a first effort to repair the vapor collection system and control device within 15 days or prior to the next marine tank vessel loading operation, whichever is later. Subpart Y. [40 CFR 63.563(c)(3)]

111 Submit all information concerning out of control periods, including start and end dates and hours and descriptions of corrective actions taken, in the excess emissions and continuous monitoring system performance report required in 40 CFR 63.567(e). Subpart Y. [40 CFR 63.564(a)(5)]

112 Secure each by-pass line valve in the closed position with a car-seal or lock-and-key type configuration. Subpart Y. [40 CFR 63.564(b)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

QT064 3(IX)35 - B-14 Flare ("B/C"Dock)

113 Presence of a flame monitored by heat sensing device continuously. Install a heat sensing device (an ultraviolet beam sensor or thermocouple) at the pilot light to indicate the presence of a flame during the entire loading cycle. Subpart Y. [40 CFR 63.564(f)]
Which Months: All Year Statistical Basis: None specified

114 Presence of a flame recordkeeping by electronic or hard copy continuously. Record the presence of the flare pilot flame. Subpart Y. [40 CFR 63.564(f)]

115 Determine compliance with 40 CFR 63 Subpart Y using the test methods and procedures specified in 40 CFR 63.565(a) through (m), as applicable. Subpart Y. [40 CFR 63.565(a)]

116 Submit with the initial performance test and maintain in an accessible location on site an engineering report describing in detail the vent system, or vapor collection system, used to vent each stream to a control device. Include all valves and vent pipes that could vent the stream to the atmosphere, thereby bypassing the control device, and identify which valves are car-sealed opened and which valves are car-sealed closed. Subpart Y. [40 CFR 63.567(f)]

117 Equipment/operational data recordkeeping by electronic or hard copy continuously. Equipment/operational data recordkeeping by electronic/hard copy continuously. Keep records of the information specified in 40 CFR 63.567(h) through (j), as applicable. Subpart Y. [40 CFR 63.567(g)]

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

QT065 3(IX)37 - Wastewater Treatment

119 Equip with a container furnished with a vapor disposal system capable of processing organic vapors and gases so as to limit their emission to the atmosphere to the same extent as LAC 33:III.2109.A.1 and 2. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2109.A.3]

120 Determine compliance with LAC 33:III.2109.A using monthly visual inspections or one of the test methods in LAC 33:III.2109.C.1-6, where appropriate. [LAC 33:III.2109.C]

121 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.2109.D.1 and 3. [LAC 33:III.2109.D]

122 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

123 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]

124 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]

125 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

126 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep for the life of the facility in a readily accessible location the design specifications which demonstrate that stormwater sewer systems, ancillary equipment, and non-contact cooling water systems subject to exemptions in 40 CFR 60.692-1 do not receive or come in contact with process or oily wastewaters per 40 CFR 60.697(h), (i), and (j). Subpart QQQ. [40 CFR 60.697]

127 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]

128 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. 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]

129 Comply with the requirements of 40 CFR 61.340 through 61.357 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]

130 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

QT066 3(IX)38 - B-700 Wastewater Treatment Plant Flare

131 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

132 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. Must be in compliance by June 2007. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

133 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. Must be in compliance by June 2007. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

134 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. Must be in compliance by June 2007. [40 CFR 60.106(a)]

135 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. Must be in compliance by June 2007. [40 CFR 60.106]

136 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)]

137 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)]

138 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

139 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)]

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

141 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

142 Comply with the requirements of 40 CFR 60.18. Subpart QQQ. [40 CFR 60.692-5(c)]

143 Closed vent system: Design and operate with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined during the initial and semiannual inspections by the methods specified in 40 CFR 60.696. Subpart QQQ. [40 CFR 60.692-5(e)(1)]

144 Closed vent system: Purge to direct vapor to the control device. Subpart QQQ. [40 CFR 60.692-5(e)(2)]

145 Closed vent system: Install a flow indicator on a vent stream to a control device to ensure the vapors are being routed to the device. Subpart QQQ. [40 CFR 60.692-5(e)(3)]

146 Closed vent system: Make first efforts at repair to eliminate emissions as soon as practicable, but not later than 30 calendar days from the date emissions from a closed system are detected, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-5(e)(5)]

147 Comply with the monitoring requirements of 40 CFR 60.18(f)(2). Subpart QQQ. [40 CFR 60.695(a)(4)]

148 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)]

149 Use 40 CFR 60, Appendix A, Method 21 to measure emission concentrations, using 500 ppm as the no detectable emission limit. Calibrate the instrument each day before using. Subpart QQQ. [40 CFR 60.696(b)]

150 Determine compliance by conducting a performance test initially, and at other times as requested by DEQ, using the test methods and procedures in 40 CFR 60.18(f). Subpart QQQ. [40 CFR 60.696(c)]

151 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)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
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QT066 3(IX)38 - B-700 Wastewater Treatment Plant Flare

152 Closed vent systems: 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 60.692-5(e) during which detectable emissions are measured or a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(d)]

153 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)]

154 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)]

155 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)]

156 Submit Performance Test Results: Due within 60 days after initial startup, as required under 40 CFR 60.8(a). Submit a report of the results of the performance test required in 40 CFR 60.696(c). Subpart QQQ. [40 CFR 60.698(b)(2)]

157 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)]

158 Submit report: Due semiannually. Submit a report containing the information specified in 40 CFR 60.698(d)(1) through (d)(3), as applicable. Subpart QQQ. [40 CFR 60.698(d)]

159 Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]

160 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes, except as provided in 40 CFR 61.349(a)(1)(ii)(B). Install the flow indicator at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere. Subpart FF. [40 CFR 61.349(a)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

161 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Subpart FF. [40 CFR 61.349(a)(1)(ii)]

162 Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)]

163 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]

164 Operate at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device. Subpart FF. [40 CFR 61.349(b)]

165 Demonstrate that each control device, except for a flare, achieves the appropriate conditions specified in 40 CFR 61.349(a)(2) using one of methods specified in 40 CFR 61.349(c)(1) and (c)(2). Subpart FF. [40 CFR 61.349(c)]

166 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
Which Months: All Year Statistical Basis: None specified

167 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]

168 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
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QT066 3(IX)38 - B-700 Wastewater Treatment Plant Flare

169 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]

170 Monitoring data monitored by technically sound method daily. Inspect the data recorded by the monitoring equipment to ensure that the control device is operating properly. Subpart FF. [40 CFR 61.354(c)]
Which Months: All Year Statistical Basis: None specified

171 Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]
Which Months: All Year Statistical Basis: None specified

172 Closed-vent system (bypass line): Flow monitored by visual inspection/determination daily. Inspect the readings from each flow monitoring device required by 40 CFR 61.349(a)(1)(ii) to check that vapors are being routed to the control device as required. Subpart FF. [40 CFR 61.354(f)(2)]
Which Months: All Year Statistical Basis: None specified

173 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]

174 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. 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]

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

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

177 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)]

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

179 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

180 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

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

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182 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]

183 Comply with LAC 33.III.2121 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with Louisiana Refinery MACT. [LAC 33:III.2121]

184 Comply with LAC 33.III.2122 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with Louisiana Refinery MACT. [LAC 33:III.2122]

185 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]

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186 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

187 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]

188 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

189 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

190 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]

191 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]

192 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]

193 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]

194 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

195 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

196 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]

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197 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]

198 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

199 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]

200 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]

201 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]

202 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]

203 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

204 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]

205 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]

206 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]

207 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]

208 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

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209 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

210 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]

211 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

212 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]

213 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]

214 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]

215 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]

216 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]

217 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]

218 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

219 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

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220 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

221 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

222 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]

223 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]

224 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]

225 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

226 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]

227 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

228 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

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229 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]

230 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]

231 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]

232 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]

233 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]

234 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]

235 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.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

236 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]

237 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]

238 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]

239 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]

240 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]

241 Submit report: Due semi-annually starting six 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]

242 Comply with the requirements of 40 CFR 60.692-2 and 60.692-3. Subpart QQQ. [40 CFR 60.692-4]

243 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)]

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244 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)]

245 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)]

246 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)]

247 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)]

248 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)]

249 Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.11, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]

250 Benzene <= 6 Mg/yr (6.6 ton/yr), as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)(2)(i)]
Which Months: All Year Statistical Basis: None specified

251 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]

252 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. 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]

253 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed 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(d)(2)]

254 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]

255 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]

256 Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]

257 Comply with 40 CFR 63 Subpart CC by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with Louisiana Refinery MACT. [40 CFR 63.subpart CC]

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258 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.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

259 Outdoor burning of waste material or other combustible material is prohibited except as provided in Subsections C and D of this section. [LAC 33:III.1109.B]

SPECIFIC REQUIREMENTS

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260 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]

261 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 (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

262 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]

263 VOC, Total >= 90 % DRE, using a vapor disposal system. [LAC 33:III.2107.B]
Which Months: All Year Statistical Basis: None specified

264 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]

265 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

266 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]

267 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]

268 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]

269 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]

270 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]

271 Biphenyl <= 0.04 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

272 Carbon disulfide <= 3.43 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

273 Carbon tetrachloride <= 0.25 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

274 Cresol <= 0.04 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

275 Methyl ethyl ketone <= 0.76 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

276 Polynuclear Aromatic Hydrocarbons <= 0.97 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

277 Phenol <= 0.19 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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278 Carbon monoxide <= 82.76 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
279 Nitrogen oxides <= 85.11 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
280 Particulate matter (10 microns or less) <= 3.64 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
281 Sulfur dioxide <= 21.55 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
282 Chlorine <= 0.07 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
283 Hydrogen sulfide <= 8.33 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
284 Sulfuric acid <= 0.19 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
285 1,3-Butadiene <= 0.32 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
286 2,2,4-Trimethylpentane <= 8.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
287 Benzene <= 38.73 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
288 Cumene <= 0.68 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
289 Ethyl benzene <= 9.23 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
290 Methanol <= 7.14 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
291 Methyl Tertiary Butyl Ether <= 29.55 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
292 Naphthalene (and Methyl naphtalenes) <= 5.99 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
293 n-Hexane <= 42.63 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
294 Toluene <= 47.27 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
295 Xylene (mixed isomers) <= 44.65 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
296 VOC, Total <= 1581.15 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
297 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]

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298 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]

299 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]

300 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]

301 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]

302 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]

303 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]

304 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]

305 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 59.1of 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]

306 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]

307 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]

308 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]

309 As part of the waiver application submitted under 40 CFR 61.342(b)(1), the owner or operator shall submit to the DEQ a plan under 40 CFR 61.10(b)(3) that is an enforceable commitment to obtain environmental benefits to mitigate the benzene emissions that result from extending the compliance date. The plan shall include the information specified in 40 CFR 61.342(b)(2)(i-iii). [40 CFR 61.342(b)(2)]

310 Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.11, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]

311 Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)]

312 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]

313 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]

314 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed 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(d)(2)]

315 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]

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316 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]

317 Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]

318 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

319 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

320 Conduct performance tests and compliance determinations according to the schedule and procedures in 40 CFR 63.7(a) and the applicable sections of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(b)(1)]

321 Submit Notification: Due at least 30 calendar days before a performance test is scheduled. Notify DEQ of the intention to conduct a performance test to allow DEQ the opportunity to have an observer present during the test. Subpart F. [40 CFR 63.103(b)(2)]

322 Conduct performance tests according to the provisions in 40 CFR 63.7(e) of subpart A, except conduct performance tests at maximum representative operating conditions for the process. Subpart F. [40 CFR 63.103(b)(3)]

323 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

324 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]

325 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]

326 Maintenance wastewater: Implement the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(d)]

327 Maintenance wastewater: Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]

328 Maintenance wastewater: Prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.105(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.105(b) as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure. Subpart F. [40 CFR 63.105]

329 Demonstrate compliance with the emission standard in 40 CFR 63.112(a) by following the procedures specified in 40 CFR 63.112(e) for all emission points, or by following the emissions averaging compliance approach specified in 40 CFR 63.112(f) for some emission points and the procedures specified in 40 CFR 63.112(e) for all other emission points within the source. Subpart G. [40 CFR 63.112(c)]

330 Submit Notification of Compliance Status: Due within 150 calendar days after the compliance dates specified in 40 CFR 63.100. Include the information specified in 40 CFR 63.152(b)(1) through (b)(6), as applicable. Subpart G. [40 CFR 63.152(b)]

331 Submit Periodic Reports: Due semiannually no later than 60 calendar days after the end of each 6-month period, except as specified in 40 CFR 63.152(c)(5) and (c)(6). Submit the first report no later than 8 months after the date the Notification of Compliance Status is due. Include the information specified in 40 CFR 63.152(c)(2) through (c)(4). Subpart G. [40 CFR 63.152(c)]

332 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records as specified in 40 CFR 63.152(f)(1) through (f)(7). Subpart G. [40 CFR 63.152(f)]

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333 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)]

334 Complete the five-year accident history for the process as provided in 68.42. [40 CFR 68.12(b)(2)]

335 Ensure that response actions have been coordinated with local emergency planning and response agencies. [40 CFR 68.12(b)(3)]

336 Include in the RMP the certification specified in 68.12(b)(4). [40 CFR 68.12(b)(4)]

337 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]

338 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]

339 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]

340 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]

341 Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a). [40 CFR 68.168]

342 Provide in the RMP the emergency response information listed in 68.180(a) through (c). [40 CFR 68.180]

343 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)]

344 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]

345 Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided. [40 CFR 68.200]

346 Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h). [40 CFR 68.25]

347 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]

348 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]

349 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]

350 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)]

351 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]

352 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]

353 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]

354 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

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AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
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355 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)]

356 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)]

357 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)]

358 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]

RP117 3(IX)50 Floating Roof Tank Cap

359 VOC, Total monitored by calculations monthly. [LAC 33:III.501.C.6]

360 To demonstrate compliance with the VOC, Total emission limit for the source GRP 117, Floating Roof Tank CAP, permittee shall calculate the VOC, total emissions tons for a 12-month rolling period. VOC, total emissions for the VOC, total in the cap shall not exceed 513.03 tons per year (Emission points: EQT402, EQT273 - 285, EQT288, EQT073-165, EQT059). Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC, total emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

361 VOC, total recordkeeping by electronic or hard copy monthly. Keep records of the VOC, total emissions each month, as well as theVOC, total emissions for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

362 VOC, total Submit report: Due annually, by the 31st of March. Report the VOC, total emissions for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

RP118 3(IX)51 Fixed Roof Tank Cap

363 VOC, total Submit report: Due annually, by the 31st of March. Report the VOC, total emissions for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

364 To demonstrate compliance with the VOC, Total emission limit for the source GRP 118, Fixed Roof Tank CAP, permittee shall calculate the VOC, total emissions tons for a 12-month rolling period. VOC, total emissions for the VOC, total in the cap shall not exceed 422.20 tons per year (Emission points: EQT166-222, EQT286-287, EQT289). Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC, total emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

365 VOC, total recordkeeping by electronic or hard copy monthly. Keep records of the VOC, total emissions each month, as well as theVOC, total emissions for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

366 VOC, Total monitored by calculations monthly. [LAC 33:III.501.C.6]

RP146 Group A Tanks

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

RP146 **Group A Tanks**

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

368 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]

369 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]

370 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]

371 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]

372 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

373 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

374 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

375 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]

376 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]

377 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]

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

379 Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover. [LAC 33:III.2103.D.4.a]

380 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval. [LAC 33:III.2103.D.4.a]

381 Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets. [LAC 33:III.2103.D.4.d]
Which Months: All Year Statistical Basis: None specified

382 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.4.d]

383 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

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384 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

385 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]

386 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]

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

388 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.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

389 Do not cause or allow the transfer of gasoline from any delivery vessel into any stationary storage container unless such container is equipped with a submerged fill pipe and unless the displaced vapor emissions from submerged filling of the container are processed by a vapor recovery system which reduces such emissions by at least 90 percent. [LAC 33:III.2131.A]

390 Determine compliance with LAC 33:III.2131 by applying the Test Methods listed in LAC 33:III.2131.E.1 through E.3, as appropriate. [LAC 33:III.2131.E]

391 Do not accept delivery of gasoline from any gasoline tank truck that does not have a sticker indicating that it has been inspected in the last year. [LAC 33:III.2131.F.1.b]

392 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of the information specified in LAC 33:III.2131.F.1 through F.3, as applicable, for at least two years. [LAC 33:III.2131.F]

393 Comply with LAC 33:III 2131 within six months after becoming an affected facility. [LAC 33:III.2131.G]

394 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

395 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]

396 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents 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. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

397 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

398 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

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399 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

400 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

401 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

402 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

403 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

404 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

405 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

406 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. In accordance with 40 CFR 63.640(n) and 40 CFR 63.654(h)(2), these specific requirements are waived for tanks which are also regulated under 40 CFR Part 63 Subpart CC storage vessel provisions. [40 CFR 60.113b(b)(5)]

407 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

408 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(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) 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. In accordance with 40 CFR 63.640(n) and 40 CFR 63.654(h)(2), these specific requirements are waived for tanks which are also regulated under 40 CFR Part 63 Subpart CC storage vessel provisions. [40 CFR 60.113b(b)(6)(ii)]

409 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

410 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)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

411 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. Tanks also subject to the requirements of 40 CFR Part 63 Subpart CC will comply with the overlap provisions found in 40 CFR 63.640(n). [40 CFR 60.115b(b)(2)]

412 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

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413 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. Tanks also subject to the requirements of 40 CFR Part 63 Subpart CC will comply with the overlap provisions found in 40 CFR 63.640(n). [40 CFR 60.115b(b)(4)]

414 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. 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)]

415 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)]

416 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in *40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]*

417 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

418 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]

419 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]

420 External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xii). Subpart G. [40 CFR 63.119(c)(2)]

421 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]

422 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]

423 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]

424 Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
Which Months: All Year Statistical Basis: None specified

425 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]

426 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed 212 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]

427 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed 21.2 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]

428 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]

429 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]

430 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]

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431 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]

432 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]

433 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]

434 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]

435 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]

436 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

437 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)]

438 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)]

439 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)]

440 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)]

441 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)]

ƧP147 Group B Tanks

442 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

ƧP148 3(IX)64 Marine Loading Cap - Controlled

443 Particulate matter (10 microns or less), Sulfur Dioxide, Nitrogen Oxides, Carbon Monoxide, and VOC, total monitored by calculations monthly. [LAC 33:III.501.C.6]

444 Particulate matter (10 microns or less), Sulfur Dioxide, Nitrogen Oxides, Carbon Monoxide, and VOC, total recordkeeping by electronic or hard copy monthly. Keep records of the total PM10, SO2, NOx, CO, and VOC emissions each month, as well as the total PM10, SO2, NOx, CO, VOC emissions for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

445 Particulate matter (10 microns or less), Sulfur Dioxide, Nitrogen Oxides, Carbon Monoxide, and VOC, total Submit report: Due annually, by the 31st of March. Report the total PM10, SO2, NOx, CO, and VOC emissions for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

446 To demonstrate compliance with the PM10, SO2, NOx, CO, and VOC emission limits for the source GRP 148, Marine Loading CAP, permittee shall calculate the total PM10, SO2, NOx, CO, and VOC emissions tons for a 12-month rolling period. Total emissions for the PM10 in the cap shall not exceed 0.51 tons per year, for the SO2 in the cap shall not exceed 2.28 tons per year, for the NOx in the cap shall not exceed 41.15 tons per year, for the CO in the cap shall not exceed 33.41 tons per year, and for the VOC in the cap shall not exceed 13.51 tons per year, (Emission points: EQT063 & EQT064). Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. Criteria pollutant emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

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Also Known As:

ID	Name	User Group	Start Date
0520-00016	Citgo Petroleum Corp - Lake Charles Manufacturing Complex	CDS Number	05-27-1993
0520-0016	Citgo Petroleum Corp - Lake Charles Manufacturing Complex	Emission Inventory	03-01-2004
73-1173881	Federal Tax ID	Federal Tax ID	01-21-1998
LAD008080350	Citgo Petroleum Corp	Hazardous Waste Notification	08-13-1980
PC/CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
00212	Cities Service Oil & Gas	Inactive & Abandoned Sites	11-27-1979
LAD008080350	Citgo Petroleum Corp	Inactive & Abandoned Sites	11-27-1979
LA0005941	LPDES #	LPDES Permit #	05-22-2003
LAR05N113	LPDES #	LPDES Permit #	10-24-2001
LAR10B787	LPDES #	LPDES Permit #	01-17-2002
LAR10B899	LPDES #	LPDES Permit #	06-25-2003
LAR10B978	LPDES #	LPDES Permit #	09-27-2002
LAR10C363	LPDES #	LPDES Permit #	08-08-2004
WP4260	WPC State Permit Number	LWDPS Permit #	06-25-2003
	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
LA-2312-L01	Radioactive Material License	Radiation License Number	10-02-2000
2312	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
G-019-1516	Site ID #	Solid Waste Facility No.	11-21-1999
GD-019-0494	SW ID#	Solid Waste Facility No.	04-30-2001
2098	Cities Service Co	TEMPO Merge	06-17-2003
27761	Citgo Petroleum Corp	TEMPO Merge	01-08-2001
38803	Citgo Petroleum Corp - Lake Charles Operations	TEMPO Merge	07-15-2001
41047	Citgo Petroleum Corp	TEMPO Merge	01-08-2001
47222	Citgo Petroleum Corp - Lake Charles Refinery	TEMPO Merge	09-12-2001
4723	Cities Service Co - Butyl Plant	TEMPO Merge	01-08-2001
4724	Cities Service Co - Lube Plant	TEMPO Merge	06-17-2003
0520-0016	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
70602CTGPTHIGHW	TRI #	Toxic Release Inventory	07-09-2004
WQC 011005-02	Water Quality Certification #	Water Certification	10-09-2001
WQC 020605-05	Water Quality Certification #	Water Certification	06-06-2002
WQC RC 050209-04	Water Quality Certification #	Water Certification	02-22-2005
WQC TR 030814-01	Water Quality Certification #	Water Certification	08-14-2003

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Physical Location: 4401 Hwy 108 S
(a portion of)
Sulphur, LA 70669

Main Phone: 3377086079

Mailing Address: PO Box 1562
Lake Charles, LA 706021562

Location of Front Gate: 30° 11' 0" 78 hundredths latitude, 93° 19' 12" 40 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Precise Position, Coordinate Datum: NAD27

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Geoffrey Bond	PO Box 1562 Lake Charles, LA 70602	GEOBOND@CITGC	Emission Inventory Contact for
Geoffrey Bond	PO Box 1562 Lake Charles, LA 70602	3377086243 (WP)	Emission Inventory Contact for
Geoffrey Bond	PO Box 1562 Lake Charles, LA 70602	3377086243 (WP)	TEDI Contact for
Geoffrey Bond	PO Box 1562 Lake Charles, LA 70602	GEOBOND@CITGC	TEDI Contact for
Mary Burns	PO Box 1562 Lake Charles, LA 706021562	3377087507 (WP)	Accident Prevention Contact for
Vina Charles	PO Box 1562 Lake Charles, LA 706021562		Radiation Contact For
Dave Hollis	PO Box 1562 Lake Charles, LA 706021562	3377087008 (WP)	Solid Waste Billing Party for
Dave Hollis	PO Box 1562 Lake Charles, LA 706021562	3377087008 (WP)	Haz. Waste Billing Party for
Vickie Pierre	PO Box 1562 Lake Charles, LA 706021562	3377086400 (WP)	Accident Prevention Billing Party for
Karl Schmidt	PO Box 1562 Lake Charles, LA 706021562	3377086248 (WP)	Responsible Official for
Judy Spears	PO Box 1562 Lake Charles, LA 706021562	3377086797 (WP)	Radiation Safety Officer for
Judy Spears	PO Box 1562 Lake Charles, LA 706021562	3377080797 (WF)	Radiation Safety Officer for
Russ Willmon	PO Box 1562 Lake Charles, LA 706021562	3377087336 (WP)	Responsible Official for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Citgo Petroleum Corp	1293 Eldridge Pkwy Houston, TX 77077	832-486-4000 (WP)	Owns
Citgo Petroleum Corp	1293 Eldridge Pkwy Houston, TX 77077	832-486-4000 (WP)	Operates
Citgo Petroleum Corp	PO Box 1424 Lake Charles, LA 706021424	3377086944 (WP)	Radiation License Billing Party for
Citgo Petroleum Corp	PO Box 1424 Lake Charles, LA 706021424	3377086944 (WP)	Water Billing Party for
Citgo Petroleum Corp	PO Box 1424 Lake Charles, LA 706021424	3377086944 (WP)	Air Billing Party for
URS Corp	7389 Florida Blvd Ste 300 Baton Rouge, LA 70806	2259225700 (WP)	Provides environmental services for
URS Corp	7389 Florida Blvd Ste 300 Baton Rouge, LA 70806	2259225701 (WF)	Provides environmental services for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT007	3(XXX)1 - Vapor Combustor System - Marine Dock		40.8 MM BTU/hr	40.8 MM BTU/hr		8760 hr/yr (All Year)
EQT059	3(IX)50-340 - Tank 340 Storm Water Tank	12 million gallons	360.41 MM bbl/yr	29.65 MM bbl/yr	storm water	8760 hr/yr (All Year)
EQT062	3(IX)12 - Marine Loading Uncontrolled		63000 gallons/min	8070.77 gallons/min		8760 hr/yr (All Year)
EQT063	3(IX)34 - B-13 Flare ("A"Dock)		24500 gallons/min	1366.67 gallons/min		8760 hr/yr (All Year)
EQT064	3(IX)35 - B-14 Flare ("B/C"Dock)		52500 gallons/min	3524.37 gallons/min		8760 hr/yr (All Year)
EQT065	3(IX)37 - Wastewater Treatment		15000 gallons/min	7500 gallons/min		8760 hr/yr (All Year)
EQT066	3(IX)38 - B-700 Wastewater Treatment Plant Flare		66.42 MM BTU/hr	26 MM BTU/hr		8760 hr/yr (All Year)
EQT073	3(IX)50-3 - T-3 Naphtha Floating Roof Tank	4.22 million gallons	105.12 MM bbl/yr	52.56 MM bbl/yr	Naphtha	8760 hr/yr (All Year)
EQT074	3(IX)50-6 - T-6 Naphtha Floating Roof Tank	3.22 million gallons	105.12 MM bbl/yr	52.56 MM bbl/yr	Naphtha	8760 hr/yr (All Year)
EQT075	3(IX)50-8 - T-8 Finished Gasoline Floating Roof Tank	4.2 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT076	3(IX)50-9 - T-9 Finished Gasoline Floating Roof Tank	3.69 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT077	3(IX)50-10 - T-10 Finished Gasoline Floating Roof Tank	4.21 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT078	3(IX)50-11 - T-11 Finished Gasoline Floating Roof Tank	4.02 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT079	3(IX)50-12 - T-12 Finished Gasoline Floating Roof Tank	4.24 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT080	3(IX)50-13 - T-13 Finished Gasoline Floating Roof Tank	4.22 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT081	3(IX)50-14 - T-14 Finished Gasoline Floating Roof Tank	4.33 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT082	3(IX)50-15 - T-15 Finished Gasoline Floating Roof Tank	4.14 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT083	3(IX)50-16 - T-16 Finished Gasoline Floating Roof Tank	4.15 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT084	3(IX)50-17 - T-17 Finished Gasoline Floating Roof Tank	4.15 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT085	3(IX)50-18 - T-18 Finished Gasoline Floating Roof Tank	4.15 million gallons	262.8 MM bbl/yr	42.05 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT086	3(IX)50-22 - T-22 Naphtha Floating Roof Tank	4.22 million gallons	52.56 MM bbl/yr	26.28 MM bbl/yr	Naphtha	8760 hr/yr (All Year)
EQT087	3(IX)50-23 - T-23 Naphtha Floating Roof Tank	4.29 million gallons	52.56 MM bbl/yr	26.28 MM bbl/yr	Naphtha	8760 hr/yr (All Year)
EQT088	3(IX)50-36 - T-36 Recovered Oil Floating Roof Tank	3.19 million gallons	35.04 MM bbl/yr	10.51 MM bbl/yr	Recovery oil	8760 hr/yr (All Year)
EQT089	3(IX)50-37 - T-37 Recovered Oil Floating Roof Tank	3.19 million gallons	35.04 MM bbl/yr	10.51 MM bbl/yr	Recovery oil	8760 hr/yr (All Year)
EQT090	3(IX)50-40 - T-40 Gasoline Floating Roof Tank	3.38 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT091	3(IX)50-41 - T-41 Crude Floating Roof Tank	3.07 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT093	3(IX)50-43 - T-43 Crude Floating Roof Tank	3.09 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT094	3(IX)50-44 - T-44 Crude Floating Roof Tank	3.08 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT095	3(IX)50-45 - T-45 Crude Floating Roof Tank	3.09 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT096	3(IX)50-46 - T-46 Crude Floating Roof Tank	3.07 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT097	3(IX)50-48 - T-48 Crude Floating Roof Tank	2.93 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT098	3(IX)50-49 - T-49 Crude Floating Roof Tank	3.1 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT099	3(IX)50-50 - T-50 Crude Floating Roof Tank	3.07 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT100	3(IX)50-51 - T-51 Crude Floating Roof Tank	3.48 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT101	3(IX)50-52 - T-52 Gasoline Floating Roof Tank	2.24 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT102	3(IX)50-54 - T-54 Gasoline Floating Roof Tank	3.38 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT103	3(IX)50-55 - T-55 Gasoline Floating Roof Tank	3.22 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT104	3(IX)50-56 - T-56 Gasoline Floating Roof Tank	3.22 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT105	3(IX)50-60 - T-60 Distillate Floating Roof Tank	6.08 million gallons	210.24 MM bbl/yr	63.07 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT106	3(IX)50-61 - T-61 Distillate Floating Roof Tank	6.07 million gallons	210.24 MM bbl/yr	63.07 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT107	3(IX)50-62 - T-62 Turbine Fuel Floating Roof Tank	6.07 million gallons	210.24 MM bbl/yr	63.07 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT108	3(IX)50-63 - T-63 Distillate Floating Roof Tank	6.08 million gallons	210.24 MM bbl/yr	63.07 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT109	3(IX)50-66 - T-66 Turbine Fuel Floating Roof Tank	6.08 million gallons	210.24 MM bbl/yr	63.07 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT111	3(IX)50-81 - T-81 Gasoline Floating Roof Tank	3.37 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT112	3(IX)50-83 - T-83 Naphtha Floating Roof Tank	3.22 million gallons	44.27 MM bbl/yr	10.63 MM bbl/yr	Naphtha	8760 hr/yr (All Year)
EQT113	3(IX)50-85 - T-85 Gasoline Floating Roof Tank	2.06 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT114	3(IX)50-87 - T-87 Naphtha Floating Roof Tank	3.22 million gallons	44.27 MM bbl/yr	10.63 MM bbl/yr	Naphtha	8760 hr/yr (All Year)
EQT115	3(IX)50-88 - T-88 Naphtha Floating Roof Tank	2.71 million gallons	44.27 MM bbl/yr	10.63 MM bbl/yr	Naphtha	8760 hr/yr (All Year)
EQT116	3(IX)50-89 - T-89 Gasoline Floating Roof Tank	3.19 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT117	3(IX)50-91 - T-91 Gasoline Floating Roof Tank	4.21 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT118	3(IX)50-92 - T-92 Gasoline Floating Roof Tank	2.19 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT119	3(IX)50-93 - T-93 Gasoline Floating Roof Tank	3.22 million gallons	219 MM bbl/yr	21.9 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT120	3(IX)50-97 - T-97 Recovered Oil Floating Roof Tank	2.45 million gallons	35.04 MM bbl/yr	10.51 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT121	3(IX)50-98 - T-98 Recovered Oil Floating Roof Tank	2.44 million gallons	35.04 MM bbl/yr	10.51 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT122	3(IX)50-99 - T-99 Crude Floating Roof Tank	2.29 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT123	3(IX)50-100 - T-100 Crude Floating Roof Tank	1.95 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT124	3(IX)50-101 - T-101 Crude Floating Roof Tank	2.02 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT125	3(IX)50-103 - T-103 Crude Floating Roof Tank	5.52 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT126	3(IX)50-104 - T-104 Crude Floating Roof Tank	5.69 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT127	3(IX)50-105 - T-105 Crude Floating Roof Tank	5.69 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT128	3(IX)50-106 - T-106 Crude Floating Roof Tank	5.69 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT129	3(IX)50-142 - T-142 Benzene Feed Tank	999000 gallons	11.68 MM bbl/yr	7.01 MM bbl/yr	Benzene	8760 hr/yr (All Year)
EQT130	3(IX)50-143 - T-143 Naphtha Floating Roof Tank	985000 gallons	44.27 MM bbl/yr	10.63 MM bbl/yr	Naphtha	8760 hr/yr (All Year)
EQT131	3(IX)50-144 - T-144 Benzene Feed Tank	1 million gallons	11.68 MM bbl/yr	7.01 MM bbl/yr	Benzene	8760 hr/yr (All Year)
EQT132	3(IX)50-145 - T-145 Naphtha Floating Roof Tank	1.06 million gallons	44.27 MM bbl/yr	10.63 MM bbl/yr	Naphtha	8760 hr/yr (All Year)
EQT133	3(IX)50-151 - T-151 Gasoline Floating Roof Tank	1.26 million gallons	105.12 MM bbl/yr	26.28 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT134	3(IX)50-152 - T-152 Aromatics Floating Roof Tank	1.27 million gallons	105.12 MM bbl/yr	26.28 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT135	3(IX)50-153 - T-153 Aromatics Floating Roof Tank	1.26 million gallons	105.12 MM bbl/yr	26.28 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT136	3(IX)50-154 - T-154 Aromatics Floating Roof Tank	1.26 million gallons	105.12 MM bbl/yr	26.28 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT137	3(IX)50-188 - T-188 Aromatics Floating Roof Tank	420000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT138	3(IX)50-189 - T-189 Aromatics Floating Roof Tank	397000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT139	3(IX)50-190 - T-190 Aromatics Floating Roof Tank	546000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT140	3(IX)50-191 - T-191 Aromatics Floating Roof Tank	511000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT141	3(IX)50-196 - T-196 Aromatics Floating Roof Tank	540000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT142	3(IX)50-197 - T-197 Aromatics Floating Roof Tank	499000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT143	3(IX)50-199 - T-199 Aromatics Floating Roof Tank	515000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT144	3(IX)50-200 - T-200 Aromatics Floating Roof Tank	503000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT145	3(IX)50-201 - T-201 Alcohol Floating Roof Tank	516000 gallons	.88 MM bbl/yr	.35 MM bbl/yr	Alcohol	8760 hr/yr (All Year)
EQT146	3(IX)50-202 - T-202 Alcohol Floating Roof Tank	487000 gallons	.88 MM bbl/yr	.35 MM bbl/yr	Alcohol	8760 hr/yr (All Year)
EQT147	3(IX)50-203 - T-203 Aromatics Floating Roof Tank	474000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT148	3(IX)50-207 - T-207 Aromatics Floating Roof Tank	561000 gallons	35.04 MM bbl/yr	4.2 MM bbl/yr	Aromatics	8760 hr/yr (All Year)
EQT149	3(IX)50-208 - T-208 Alcohol Floating Roof Tank	515000 gallons	.88 MM bbl/yr	.35 MM bbl/yr	Alcohol	8760 hr/yr (All Year)
EQT150	3(IX)50-260 - T-260 Gasoline RVP 13 Floating Roof Tank	542000 gallons	22.52 MM bbl/yr	6.76 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT151	3(IX)50-261 - T-261 Distillate Floating Roof Tank	472000 gallons	22.52 MM bbl/yr	13.51 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT152	3(IX)50-262 - T-262 Gasoline RVP 13 Floating Roof Tank	542000 gallons	22.52 MM bbl/yr	6.76 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT153	3(IX)50-263 - T-263 Gasoline RVP 13 Floating Roof Tank	452000 gallons	22.52 MM bbl/yr	6.76 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT154	3(IX)50-265 - T-265 Gasoline RVP 13 Floating Roof Tank	110000 gallons	.88 MM bbl/yr	.88 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT155	3(IX)50-271 - T-271 Recovered Oil Floating Roof Tank	378000 gallons	11.27 MM bbl/yr	11.27 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT156	3(IX)50-300 - T-300 Gasoline RVP 13 Floating Roof Tank	514000 gallons	22.52 MM bbl/yr	6.76 MM bbl/yr	Gasoline	8760 hr/yr (All Year)
EQT157	3(IX)50-301 - T-301 Distillate Floating Roof Tank	569000 gallons	22.52 MM bbl/yr	13.51 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT158	3(IX)50-510 - T-510 Recovered Oil Floating Roof Tank	130200 gallons	6.25 MM bbl/yr	3.75 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT159	3(IX)50-511 - T-511 Recovered Oil Floating Roof Tank	130200 gallons	6.25 MM bbl/yr	3.75 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT160	3(IX)50-512 - T-512 Recovered Oil Floating Roof Tank	919990 gallons	29.41 MM bbl/yr	7.06 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT161	3(IX)50-513 - T-513 Recovered Oil Floating Roof Tank	302400 gallons	29.41 MM bbl/yr	7.06 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT162	3(IX)50-514 - T-514 Recovered Oil Floating Roof Tank	302000 gallons	29.41 MM bbl/yr	7.06 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT163	3(IX)50-515 - T-515 Recovered Oil Floating Roof Tank	340000 gallons	29.41 MM bbl/yr	7.06 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT164	3(IX)50-516 - T-516 Recovered Oil Floating Roof Tank	139000 gallons	29.41 MM bbl/yr	7.06 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT165	3(IX)50-519 - T-519 Recovered Oil Floating Roof Tank	96000 gallons	10.01 MM bbl/yr	10.01 MM bbl/yr	Recovered Oil	8760 hr/yr (All Year)
EQT166	3(IX)51-1 - T-1 No. 6 Fuel Oil Fixed Roof Tank	3.78 million gallons	247.03 MM bbl/yr	49.41 MM bbl/yr	Fuel oil	8760 hr/yr (All Year)
EQT167	3(IX)51-2 - T-2 No. 6 Fuel Oil Fixed Roof Tank	3.38 million gallons	247.03 MM bbl/yr	49.41 MM bbl/yr	Fuel oil	8760 hr/yr (All Year)
EQT168	3(IX)51-4 - T-4 No. 6 Fuel Oil Fixed Roof Tank	3.8 million gallons	247.03 MM bbl/yr	49.41 MM bbl/yr	Fuel oil	8760 hr/yr (All Year)
EQT169	3(IX)51-5 - T-5 No. 6 Fuel Oil Fixed Roof Tank	3.3 million gallons	247.03 MM bbl/yr	49.41 MM bbl/yr	Fuel oil	8760 hr/yr (All Year)
EQT171	3(IX)51-10 - F-10 Garage Tank	28200 gallons	5.88 MM bbl/yr	.02 MM bbl/yr		8760 hr/yr (All Year)
EQT172	3(IX)51-11 - F-11 Garage Tank	28200 gallons	5.88 MM bbl/yr	4000 bbl/yr		8760 hr/yr (All Year)
EQT173	3(IX)51-19 - T-19 Turbine Fuel Fixed Roof Tank	3.38 million gallons	199.73 MM bbl/yr	66.58 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT174	3(IX)51-20 - T-20 Turbine Fuel Fixed Roof Tank	4.06 million gallons	199.73 MM bbl/yr	66.58 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT176	3(IX)51-24 - T-24 Distillate Fixed Roof Tank	5.68 million gallons	315.36 MM bbl/yr	52.56 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT177	3(IX)51-25 - T-25 Distillate Fixed Roof Tank	5.75 million gallons	315.36 MM bbl/yr	52.56 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT178	3(IX)51-26 - T-26 Distillate Fixed Roof Tank	5.72 million gallons	315.36 MM bbl/yr	52.56 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT179	3(IX)51-27 - T-27 Distillate Fixed Roof Tank	5.55 million gallons	315.36 MM bbl/yr	52.56 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT180	3(IX)51-28 - T-28 Distillate Fixed Roof Tank	5.88 million gallons	315.36 MM bbl/yr	52.56 MM bbl/yr	Distillate	8760 hr/yr (All Year)

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT181	3(IX)51-29 - T-29 Distillate Fixed Roof Tank	5.65 million gallons	315.36 MM bbl/yr	52.56 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT182	3(IX)51-30 - T-30 No. 6 Fuel Oil Fixed Roof Tank	2.91 million gallons	42.05 MM bbl/yr	42.05 MM bbl/yr	No 6 Fuel Oil	8760 hr/yr (All Year)
EQT183	3(IX)51-34 - T-34 No. 6 Fuel Oil Fixed Roof Tank	2.57 million gallons	42.05 MM bbl/yr	42.05 MM bbl/yr	No 6 Fuel Oil	8760 hr/yr (All Year)
EQT184	3(IX)51-35 - T-35 Distillate Fixed Roof Tank	3.38 million gallons	36.79 MM bbl/yr	36.79 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT185	3(IX)51-57 - T-57 FCCU Fixed Roof Tank	2.96 million gallons	157.68 MM bbl/yr	52.56 MM bbl/yr		8760 hr/yr (All Year)
EQT186	3(IX)51-84 - T-84 FCCU Fixed Roof Tank	2.71 million gallons	157.68 MM bbl/yr	52.56 MM bbl/yr		8760 hr/yr (All Year)
EQT187	3(IX)51-94 - T-94 FCCU Fixed Roof Tank	2.96 million gallons	157.68 MM bbl/yr	52.56 MM bbl/yr		8760 hr/yr (All Year)
EQT188	3(IX)51-101 - F-101 Garage Tank	10940 gallons	2.28 MM bbl/yr	4000 bbl/yr		8760 hr/yr (All Year)
EQT189	3(IX)51-130 - T-130 No. 6 Fuel Oil Fixed Roof Tank	1.02 million gallons	57.82 MM bbl/yr	9.64 MM bbl/yr	No 6 Fuel Oil	8760 hr/yr (All Year)
EQT190	3(IX)51-131 - T-131 No. 6 Fuel Oil Fixed Roof Tank	1.02 million gallons	57.82 MM bbl/yr	9.64 MM bbl/yr	No 6 Fuel Oil	8760 hr/yr (All Year)
EQT191	3(IX)51-132 - T-132 No. 6 Fuel Oil Fixed Roof Tank	875772 gallons	57.82 MM bbl/yr	9.64 MM bbl/yr	No 6 Fuel Oil	8760 hr/yr (All Year)
EQT192	3(IX)51-133 - T-133 No. 6 Fuel Oil Fixed Roof Tank	875772 gallons	57.82 MM bbl/yr	9.64 MM bbl/yr	No 6 Fuel Oil	8760 hr/yr (All Year)
EQT193	3(IX)51-134 - T-134 FCCU Fixed Roof Tank	875772 gallons	210.24 MM bbl/yr	35.04 MM bbl/yr		8760 hr/yr (All Year)
EQT194	3(IX)51-135 - T-135 FCCU Fixed Roof Tank	875772 gallons	210.24 MM bbl/yr	35.04 MM bbl/yr		8760 hr/yr (All Year)
EQT195	3(IX)51-136 - T-136 FCCU Fixed Roof Tank	875772 gallons	210.24 MM bbl/yr	35.04 MM bbl/yr		8760 hr/yr (All Year)
EQT196	3(IX)51-137 - T-137 FCCU Fixed Roof Tank	875772 gallons	210.24 MM bbl/yr	35.04 MM bbl/yr		8760 hr/yr (All Year)
EQT197	3(IX)51-138 - T-138 FCCU Fixed Roof Tank	1.26 million gallons	210.24 MM bbl/yr	35.04 MM bbl/yr		8760 hr/yr (All Year)
EQT198	3(IX)51-139 - T-139 FCCU Fixed Roof Tank	1 million gallons	210.24 MM bbl/yr	35.04 MM bbl/yr		8760 hr/yr (All Year)
EQT199	3(IX)51-140 - T-140 Turbine Fuel Fixed Roof Tank	923082 gallons	73.58 MM bbl/yr	36.79 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT200	3(IX)51-141 - T-141 Turbine Fuel Fixed Roof Tank	923082 gallons	73.58 MM bbl/yr	36.79 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT201	3(IX)51-192 - T-192 Distillate Fixed Roof Tank	527955 gallons	42.05 MM bbl/yr	8.41 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT202	3(IX)51-193 - T-193 Distillate Fixed Roof Tank	527955 gallons	42.05 MM bbl/yr	8.41 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT203	3(IX)51-194 - T-194 Distillate Fixed Roof Tank	460268 gallons	42.05 MM bbl/yr	8.41 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT204	3(IX)51-195 - T-195 Distillate Fixed Roof Tank	419656 gallons	42.05 MM bbl/yr	8.41 MM bbl/yr	Distillate	8760 hr/yr (All Year)
EQT205	3(IX)51-210 - T-210 No. 6 Fuel Oil Fixed Roof Tank	358738 gallons	57.82 MM bbl/yr	9.64 MM bbl/yr	No. 6 Fuel Oil	8760 hr/yr (All Year)
EQT206	3(IX)51-211 - T-211 No. 6 Fuel Oil Fixed Roof Tank	358738 gallons	57.82 MM bbl/yr	9.64 MM bbl/yr	No. 6 Fuel Oil	8760 hr/yr (All Year)
EQT207	3(IX)51-212 - T-212 No. 6 Fuel Oil Fixed Roof Tank	358738 gallons	55.71 MM bbl/yr	9.29 MM bbl/yr	No. 6 Fuel Oil	8760 hr/yr (All Year)
EQT208	3(IX)51-213 - T-213 No. 6 Fuel Oil Fixed Roof Tank	358738 gallons	55.71 MM bbl/yr	9.29 MM bbl/yr	No. 6 Fuel Oil	8760 hr/yr (All Year)
EQT209	3(IX)51-214 - T-214 No. 6 Fuel Oil Fixed Roof Tank	358738 gallons	55.71 MM bbl/yr	9.29 MM bbl/yr	No. 6 Fuel Oil	8760 hr/yr (All Year)
EQT210	3(IX)51-215 - T-215 Turbine Fuel Fixed Roof Tank	358738 gallons	36.79 MM bbl/yr	12.26 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT211	3(IX)51-216 - T-216 Distillate Fixed Roof Tank	358738 gallons	42.05 MM bbl/yr	8.41 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT212	3(IX)51-217 - T-217 Turbine Fuel Fixed Roof Tank	358738 gallons	36.79 MM bbl/yr	12.26 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT213	3(IX)51-218 - T-218 No. 6 Fuel Oil Fixed Roof Tank	331664 gallons	55.71 MM bbl/yr	9.29 MM bbl/yr	No. 6 Fuel Oil	8760 hr/yr (All Year)
EQT214	3(IX)51-219 - T-219 No. 6 Fuel Oil Fixed Roof Tank	358738 gallons	55.71 MM bbl/yr	9.29 MM bbl/yr	No. 6 Fuel Oil	8760 hr/yr (All Year)
EQT215	3(IX)51-220 - T-220 No. 6 Fuel Oil Fixed Roof Tank	331664 gallons	55.71 MM bbl/yr	9.29 MM bbl/yr	No. 6 Fuel Oil	8760 hr/yr (All Year)
EQT216	3(IX)51-221 - T-221 Turbine Fuel Fixed Roof Tank	419656 gallons	36.79 MM bbl/yr	12.26 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)
EQT217	3(IX)51-227 - T-227 Turbine Fuel Fixed Roof Tank	473805 gallons	17.87 MM bbl/yr	17.87 MM bbl/yr	Turbine Fuel	8760 hr/yr (All Year)

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT218	3(IX)51-601 - T-601 FCCU Fixed Roof Tank	2.81 million gallons	299.59 MM bbl/yr	74.9 MM bbl/yr		8760 hr/yr (All Year)
EQT219	3(IX)51-602 - T-602 FCCU Fixed Roof Tank	2.95 million gallons	299.59 MM bbl/yr	74.9 MM bbl/yr		8760 hr/yr (All Year)
EQT220	3(IX)51-603 - T-603 FCCU Fixed Roof Tank	2.98 million gallons	299.59 MM bbl/yr	74.9 MM bbl/yr		8760 hr/yr (All Year)
EQT221	3(IX)51-605 - T-605 FCCU Fixed Roof Tank	3.81 million gallons	299.59 MM bbl/yr	74.9 MM bbl/yr		8760 hr/yr (All Year)
EQT222	3(IX)51-701 - T-701 FCCU Fixed Roof Tank	2.99 million gallons	57.68 MM bbl/yr	57.68 MM bbl/yr		8760 hr/yr (All Year)
EQT273	3(IX)50-1001 - T-1001 Xylene Floating Roof Tank	4.22 million gallons	175.2 MM bbl/yr	105.12 MM bbl/yr		8760 hr/yr (All Year)
EQT274	3(IX)50-1002 - T-1002 Xylene Floating Roof Tank	4.22 million gallons	175.2 MM bbl/yr	105.12 MM bbl/yr		8760 hr/yr (All Year)
EQT276	3(IX)50-180 - T-180 Caustic Floating Roof Tank	526700 gallons	5.26 MM bbl/yr	5.26 MM bbl/yr		8760 hr/yr (All Year)
EQT277	3(IX)50-182 - T-182 Caustic Floating Roof Tank	345000 gallons	5.26 MM bbl/yr	5.26 MM bbl/yr		8760 hr/yr (All Year)
EQT278	3(IX)50-185 - T-185 Caustic Floating Roof Tank	540000 gallons	5.26 MM bbl/yr	5.26 MM bbl/yr		8760 hr/yr (All Year)
EQT279	3(IX)50-187 - T-187 Caustic Floating Roof Tank	568000 gallons	5.26 MM bbl/yr	5.26 MM bbl/yr		8760 hr/yr (All Year)
EQT280	3(IX)50-209 - T-209 Sulfolane Solvent Floating Roof Tank	437600 gallons	5.26 MM bbl/yr	5.26 MM bbl/yr		8760 hr/yr (All Year)
EQT281	3(IX)50-310 - T-310 WWTP Stormwater Tank	11.14 million gallons	360.41 MM bbl/yr	360.41 MM bbl/yr		8760 hr/yr (All Year)
EQT282	3(IX)50-320 - T-320 WWTP Stormwater Tank	11.14 million gallons	300.35 MM bbl/yr	180.21 MM bbl/yr		8760 hr/yr (All Year)
EQT283	3(IX)50-330 - T-330 WWTP Stormwater Tank	11.14 million gallons	300.35 MM bbl/yr	180.21 MM bbl/yr		8760 hr/yr (All Year)
EQT284	3(IX)50-80 - T-80 Gasoline Floating Roof Tank	3.94 million gallons	219 MM bbl/yr	21.9 MM bbl/yr		8760 hr/yr (All Year)
EQT285	3(IX)50-TA - Floating Roof Tanks Turnaround					8760 hr/yr (All Year)
EQT286	3(IX)51-14 - F-14Proto Skid Gasoline Storage Vessel	4700 gallons	.02 MM bbl/yr	.02 MM bbl/yr		8760 hr/yr (All Year)
EQT287	3(IX)51-21 - T-21 Turbine Fuel Fixed Roof Tank	4.06 million gallons	199.73 MM bbl/yr	66.57 MM bbl/yr		8760 hr/yr (All Year)
EQT288	3(IX)50-604 - T-604 Ballast Water Tank	1.05 million gallons	52.56 MM bbl/yr	26.28 MM bbl/yr		8760 hr/yr (All Year)
EQT289	3(IX)51-7 - T-7 No. 6 Fuel Oil Fixed Roof Tank	3.74 million gallons	247.03 MM bbl/yr	49.41 MM bbl/yr		8760 hr/yr (All Year)
EQT402	3(IX)50-42A - T-42A Crude Floating Roof Tank	4.26 million gallons	175.2 MM bbl/yr	12.37 MM bbl/yr	Crude	8760 hr/yr (All Year)
EQT403	3(IX)60-501 - Tank Sphere 501	1.05 million gallons			Vents to EQT345 3(IX)41 B-5 Flare, permit 3010-V0	8760 hr/yr (All Year)
EQT404	3(IX)60-502 - Tank Sphere 502	1.05 million gallons			Vents to EQT345 3(IX)41 B-5 Flare, permit 3010-V0	8760 hr/yr (All Year)
EQT405	3(IX)60-503 - Tank Sphere 503	1.05 million gallons			Vents to EQT345 3(IX)41 B-5 Flare, permit 3010-V0	8760 hr/yr (All Year)
EQT406	3(IX)60-504 - Tank Sphere 504	1.05 million gallons			Vents to EQT345 3(IX)41 B-5 Flare, permit 3010-V0	8760 hr/yr (All Year)
FUG012	Oil Movements Fugitives					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP116	Logistics Area	EQT7 3(XXX)1 - Vapor Combustor System - Marine Dock
GRP116	Logistics Area	EQT59 3(IX)50-340 - Tank 340 Storm Water Tank
GRP116	Logistics Area	EQT62 3(IX)12 - Marine Loading Uncontrolled

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP116	Logistics Area	EQT63 3(IX)34 - B-13 Flare ("A"Dock)
GRP116	Logistics Area	EQT73 3(IX)50-3 - T-3 Naphtha Floating Roof Tank
GRP116	Logistics Area	EQT75 3(IX)50-8 - T-8 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT77 3(IX)50-10 - T-10 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT79 3(IX)50-12 - T-12 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT81 3(IX)50-14 - T-14 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT90 3(IX)50-40 - T-40 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT89 3(IX)50-37 - T-37 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT88 3(IX)50-36 - T-36 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT87 3(IX)50-23 - T-23 Naphtha Floating Roof Tank
GRP116	Logistics Area	EQT86 3(IX)50-22 - T-22 Naphtha Floating Roof Tank
GRP116	Logistics Area	EQT85 3(IX)50-18 - T-18 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT84 3(IX)50-17 - T-17 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT83 3(IX)50-16 - T-16 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT82 3(IX)50-15 - T-15 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT147 3(IX)50-203 - T-203 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT146 3(IX)50-202 - T-202 Alcohol Floating Roof Tank
GRP116	Logistics Area	EQT145 3(IX)50-201 - T-201 Alcohol Floating Roof Tank
GRP116	Logistics Area	EQT144 3(IX)50-200 - T-200 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT143 3(IX)50-199 - T-199 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT95 3(IX)50-45 - T-45 Crude Floating Roof Tank
GRP116	Logistics Area	EQT94 3(IX)50-44 - T-44 Crude Floating Roof Tank
GRP116	Logistics Area	EQT93 3(IX)50-43 - T-43 Crude Floating Roof Tank
GRP116	Logistics Area	EQT91 3(IX)50-41 - T-41 Crude Floating Roof Tank
GRP116	Logistics Area	EQT156 3(IX)50-300 - T-300 Gasoline RVP 13 Floating Roof Tank
GRP116	Logistics Area	EQT155 3(IX)50-271 - T-271 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT154 3(IX)50-265 - T-265 Gasoline RVP 13 Floating Roof Tank
GRP116	Logistics Area	EQT153 3(IX)50-263 - T-263 Gasoline RVP 13 Floating Roof Tank
GRP116	Logistics Area	EQT152 3(IX)50-262 - T-262 Gasoline RVP 13 Floating Roof Tank
GRP116	Logistics Area	EQT151 3(IX)50-261 - T-261 Distillate Floating Roof Tank
GRP116	Logistics Area	EQT150 3(IX)50-260 - T-260 Gasoline RVP 13 Floating Roof Tank
GRP116	Logistics Area	EQT149 3(IX)50-208 - T-208 Alcohol Floating Roof Tank
GRP116	Logistics Area	EQT148 3(IX)50-207 - T-207 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT221 3(IX)51-605 - T-605 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT182 3(IX)51-30 - T-30 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT181 3(IX)51-29 - T-29 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT180 3(IX)51-28 - T-28 Distillate Fixed Roof Tank

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP116	Logistics Area	EQT179 3(IX)51-27 - T-27 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT178 3(IX)51-26 - T-26 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT177 3(IX)51-25 - T-25 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT176 3(IX)51-24 - T-24 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT174 3(IX)51-20 - T-20 Turbine Fuel Fixed Roof Tank
GRP116	Logistics Area	EQT289 3(IX)51-7 - T-7 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT288 3(IX)50-604 - T-604 Ballast Water Tank
GRP116	Logistics Area	EQT287 3(IX)51-21 - T-21 Turbine Fuel Fixed Roof Tank
GRP116	Logistics Area	EQT286 3(IX)51-14 - F-14Proto Skid Gasoline Storage Vessel
GRP116	Logistics Area	EQT285 3(IX)50-TA - Floating Roof Tanks Turnaround
GRP116	Logistics Area	EQT284 3(IX)50-80 - T-80 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT283 3(IX)50-330 - T-330 WWTP Stormwater Tank
GRP116	Logistics Area	EQT282 3(IX)50-320 - T-320 WWTP Stormwater Tank
GRP116	Logistics Area	EQT281 3(IX)50-310 - T-310 WWTP Stormwater Tank
GRP116	Logistics Area	EQT102 3(IX)50-54 - T-54 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT101 3(IX)50-52 - T-52 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT100 3(IX)50-51 - T-51 Crude Floating Roof Tank
GRP116	Logistics Area	EQT99 3(IX)50-50 - T-50 Crude Floating Roof Tank
GRP116	Logistics Area	EQT98 3(IX)50-49 - T-49 Crude Floating Roof Tank
GRP116	Logistics Area	EQT97 3(IX)50-48 - T-48 Crude Floating Roof Tank
GRP116	Logistics Area	EQT96 3(IX)50-46 - T-46 Crude Floating Roof Tank
GRP116	Logistics Area	GRP147 Group B Tanks
GRP116	Logistics Area	GRP146 Group A Tanks
GRP116	Logistics Area	EQT120 3(IX)50-97 - T-97 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT119 3(IX)50-93 - T-93 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT118 3(IX)50-92 - T-92 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT117 3(IX)50-91 - T-91 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT116 3(IX)50-89 - T-89 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT115 3(IX)50-88 - T-88 Naphtha Floating Roof Tank
GRP116	Logistics Area	EQT114 3(IX)50-87 - T-87 Naphtha Floating Roof Tank
GRP116	Logistics Area	EQT113 3(IX)50-85 - T-85 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT112 3(IX)50-83 - T-83 Naphtha Floating Roof Tank
GRP116	Logistics Area	EQT220 3(IX)51-603 - T-603 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT219 3(IX)51-602 - T-602 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT218 3(IX)51-601 - T-601 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT217 3(IX)51-227 - T-227 Turbine Fuel Fixed Roof Tank
GRP116	Logistics Area	EQT216 3(IX)51-221 - T-221 Turbine Fuel Fixed Roof Tank

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP116	Logistics Area	EQT215 3(IX)51-220 - T-220 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT214 3(IX)51-219 - T-219 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT213 3(IX)51-218 - T-218 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT212 3(IX)51-217 - T-217 Turbine Fuel Fixed Roof Tank
GRP116	Logistics Area	EQT211 3(IX)51-216 - T-216 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT210 3(IX)51-215 - T-215 Turbine Fuel Fixed Roof Tank
GRP116	Logistics Area	EQT209 3(IX)51-214 - T-214 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT208 3(IX)51-213 - T-213 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT207 3(IX)51-212 - T-212 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT206 3(IX)51-211 - T-211 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT205 3(IX)51-210 - T-210 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT204 3(IX)51-195 - T-195 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT203 3(IX)51-194 - T-194 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT202 3(IX)51-193 - T-193 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT201 3(IX)51-192 - T-192 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT200 3(IX)51-141 - T-141 Turbine Fuel Fixed Roof Tank
GRP116	Logistics Area	EQT199 3(IX)51-140 - T-140 Turbine Fuel Fixed Roof Tank
GRP116	Logistics Area	EQT198 3(IX)51-139 - T-139 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT197 3(IX)51-138 - T-138 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT196 3(IX)51-137 - T-137 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT195 3(IX)51-136 - T-136 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT194 3(IX)51-135 - T-135 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT193 3(IX)51-134 - T-134 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT192 3(IX)51-133 - T-133 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT191 3(IX)51-132 - T-132 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT190 3(IX)51-131 - T-131 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT189 3(IX)51-130 - T-130 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT188 3(IX)51-101 - F-101 Garage Tank
GRP116	Logistics Area	EQT187 3(IX)51-94 - T-94 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT186 3(IX)51-84 - T-84 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT185 3(IX)51-57 - T-57 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT184 3(IX)51-35 - T-35 Distillate Fixed Roof Tank
GRP116	Logistics Area	EQT183 3(IX)51-34 - T-34 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT142 3(IX)50-197 - T-197 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT141 3(IX)50-196 - T-196 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT140 3(IX)50-191 - T-191 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT139 3(IX)50-190 - T-190 Aromatics Floating Roof Tank

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP116	Logistics Area	EQT138 3(IX)50-189 - T-189 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT137 3(IX)50-188 - T-188 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT136 3(IX)50-154 - T-154 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT135 3(IX)50-153 - T-153 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT134 3(IX)50-152 - T-152 Aromatics Floating Roof Tank
GRP116	Logistics Area	EQT133 3(IX)50-151 - T-151 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT132 3(IX)50-145 - T-145 Naphtha Floating Roof Tank
GRP116	Logistics Area	EQT131 3(IX)50-144 - T-144 Benzene Feed Tank
GRP116	Logistics Area	EQT130 3(IX)50-143 - T-143 Naphtha Floating Roof Tank
GRP116	Logistics Area	EQT129 3(IX)50-142 - T-142 Benzene Feed Tank
GRP116	Logistics Area	EQT128 3(IX)50-106 - T-106 Crude Floating Roof Tank
GRP116	Logistics Area	EQT127 3(IX)50-105 - T-105 Crude Floating Roof Tank
GRP116	Logistics Area	EQT126 3(IX)50-104 - T-104 Crude Floating Roof Tank
GRP116	Logistics Area	EQT125 3(IX)50-103 - T-103 Crude Floating Roof Tank
GRP116	Logistics Area	EQT124 3(IX)50-101 - T-101 Crude Floating Roof Tank
GRP116	Logistics Area	EQT123 3(IX)50-100 - T-100 Crude Floating Roof Tank
GRP116	Logistics Area	EQT122 3(IX)50-99 - T-99 Crude Floating Roof Tank
GRP116	Logistics Area	EQT121 3(IX)50-98 - T-98 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT111 3(IX)50-81 - T-81 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT109 3(IX)50-66 - T-66 Turbine Fuel Floating Roof Tank
GRP116	Logistics Area	EQT108 3(IX)50-63 - T-63 Distillate Floating Roof Tank
GRP116	Logistics Area	EQT107 3(IX)50-62 - T-62 Turbine Fuel Floating Roof Tank
GRP116	Logistics Area	EQT106 3(IX)50-61 - T-61 Distillate Floating Roof Tank
GRP116	Logistics Area	EQT105 3(IX)50-60 - T-60 Distillate Floating Roof Tank
GRP116	Logistics Area	EQT104 3(IX)50-56 - T-56 Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT103 3(IX)50-55 - T-55 Gasoline Floating Roof Tank
GRP116	Logistics Area	GRP118 3(IX)51 Fixed Roof Tank Cap
GRP116	Logistics Area	GRP117 3(IX)50 Floating Roof Tank Cap
GRP116	Logistics Area	FUG12 Oil Movements Fugitives
GRP116	Logistics Area	EQT406 3(IX)60-504 - Tank Sphere 504
GRP116	Logistics Area	EQT405 3(IX)60-503 - Tank Sphere 503
GRP116	Logistics Area	EQT404 3(IX)60-502 - Tank Sphere 502
GRP116	Logistics Area	EQT403 3(IX)60-501 - Tank Sphere 501
GRP116	Logistics Area	EQT402 3(IX)50-42A - T-42A Crude Floating Roof Tank
GRP116	Logistics Area	EQT280 3(IX)50-209 - T-209 Sulfolane Solvent Floating Roof Tank
GRP116	Logistics Area	EQT279 3(IX)50-187 - T-187 Caustic Floating Roof Tank
GRP116	Logistics Area	EQT278 3(IX)50-185 - T-185 Caustic Floating Roof Tank

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP116	Logistics Area	EQT277 3(IX)50-182 - T-182 Caustic Floating Roof Tank
GRP116	Logistics Area	EQT276 3(IX)50-180 - T-180 Caustic Floating Roof Tank
GRP116	Logistics Area	EQT274 3(IX)50-1002 - T-1002 Xylene Floating Roof Tank
GRP116	Logistics Area	EQT273 3(IX)50-1001 - T-1001 Xylene Floating Roof Tank
GRP116	Logistics Area	EQT222 3(IX)51-701 - T-701 FCCU Fixed Roof Tank
GRP116	Logistics Area	EQT173 3(IX)51-19 - T-19 Turbine Fuel Fixed Roof Tank
GRP116	Logistics Area	EQT172 3(IX)51-11 - F-11 Garage Tank
GRP116	Logistics Area	EQT171 3(IX)51-10 - F-10 Garage Tank
GRP116	Logistics Area	EQT169 3(IX)51-5 - T-5 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT168 3(IX)51-4 - T-4 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT167 3(IX)51-2 - T-2 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT166 3(IX)51-1 - T-1 No. 6 Fuel Oil Fixed Roof Tank
GRP116	Logistics Area	EQT165 3(IX)50-519 - T-519 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT164 3(IX)50-516 - T-516 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT163 3(IX)50-515 - T-515 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT162 3(IX)50-514 - T-514 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT161 3(IX)50-513 - T-513 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT160 3(IX)50-512 - T-512 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT159 3(IX)50-511 - T-511 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT158 3(IX)50-510 - T-510 Recovered Oil Floating Roof Tank
GRP116	Logistics Area	EQT157 3(IX)50-301 - T-301 Distillate Floating Roof Tank
GRP116	Logistics Area	EQT80 3(IX)50-13 - T-13 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT78 3(IX)50-11 - T-11 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT76 3(IX)50-9 - T-9 Finished Gasoline Floating Roof Tank
GRP116	Logistics Area	EQT74 3(IX)50-6 - T-6 Naphtha Floating Roof Tank
GRP116	Logistics Area	EQT66 3(IX)38 - B-700 Wastewater Treatment Plant Flare
GRP116	Logistics Area	EQT65 3(IX)37 - Wastewater Treatment
GRP116	Logistics Area	EQT64 3(IX)35 - B-14 Flare ("B/C"Dock)
GRP117	3(IX)50 Floating Roof Tank Cap	EQT139 3(IX)50-190 - T-190 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT140 3(IX)50-191 - T-191 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT141 3(IX)50-196 - T-196 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT142 3(IX)50-197 - T-197 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT143 3(IX)50-199 - T-199 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT144 3(IX)50-200 - T-200 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT145 3(IX)50-201 - T-201 Alcohol Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT146 3(IX)50-202 - T-202 Alcohol Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT147 3(IX)50-203 - T-203 Aromatics Floating Roof Tank

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP117	3(IX)50 Floating Roof Tank Cap	EQT402 3(IX)50-42A - T-42A Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT288 3(IX)50-604 - T-604 Ballast Water Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT285 3(IX)50-TA - Floating Roof Tanks Turnaround
GRP117	3(IX)50 Floating Roof Tank Cap	EQT284 3(IX)50-80 - T-80 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT283 3(IX)50-330 - T-330 WWTP Stormwater Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT282 3(IX)50-320 - T-320 WWTP Stormwater Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT281 3(IX)50-310 - T-310 WWTP Stormwater Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT280 3(IX)50-209 - T-209 Sulfolane Solvent Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT279 3(IX)50-187 - T-187 Caustic Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT278 3(IX)50-185 - T-185 Caustic Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT277 3(IX)50-182 - T-182 Caustic Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT276 3(IX)50-180 - T-180 Caustic Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT274 3(IX)50-1002 - T-1002 Xylene Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT273 3(IX)50-1001 - T-1001 Xylene Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT165 3(IX)50-519 - T-519 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT164 3(IX)50-516 - T-516 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT163 3(IX)50-515 - T-515 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT162 3(IX)50-514 - T-514 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT138 3(IX)50-189 - T-189 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT137 3(IX)50-188 - T-188 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT136 3(IX)50-154 - T-154 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT135 3(IX)50-153 - T-153 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT134 3(IX)50-152 - T-152 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT133 3(IX)50-151 - T-151 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT132 3(IX)50-145 - T-145 Naphtha Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT131 3(IX)50-144 - T-144 Benzene Feed Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT130 3(IX)50-143 - T-143 Naphtha Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT129 3(IX)50-142 - T-142 Benzene Feed Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT128 3(IX)50-106 - T-106 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT127 3(IX)50-105 - T-105 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT126 3(IX)50-104 - T-104 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT125 3(IX)50-103 - T-103 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT124 3(IX)50-101 - T-101 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT123 3(IX)50-100 - T-100 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT122 3(IX)50-99 - T-99 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT121 3(IX)50-98 - T-98 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT120 3(IX)50-97 - T-97 Recovered Oil Floating Roof Tank

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP117	3(IX)50 Floating Roof Tank Cap	EQT119 3(IX)50-93 - T-93 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT118 3(IX)50-92 - T-92 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT117 3(IX)50-91 - T-91 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT116 3(IX)50-89 - T-89 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT115 3(IX)50-88 - T-88 Naphtha Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT114 3(IX)50-87 - T-87 Naphtha Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT113 3(IX)50-85 - T-85 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT112 3(IX)50-83 - T-83 Naphtha Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT82 3(IX)50-15 - T-15 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT81 3(IX)50-14 - T-14 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT80 3(IX)50-13 - T-13 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT79 3(IX)50-12 - T-12 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT78 3(IX)50-11 - T-11 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT77 3(IX)50-10 - T-10 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT76 3(IX)50-9 - T-9 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT75 3(IX)50-8 - T-8 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT74 3(IX)50-6 - T-6 Naphtha Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT73 3(IX)50-3 - T-3 Naphtha Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT59 3(IX)50-340 - Tank 340 Storm Water Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT148 3(IX)50-207 - T-207 Aromatics Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT149 3(IX)50-208 - T-208 Alcohol Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT150 3(IX)50-260 - T-260 Gasoline RVP 13 Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT151 3(IX)50-261 - T-261 Distillate Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT152 3(IX)50-262 - T-262 Gasoline RVP 13 Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT153 3(IX)50-263 - T-263 Gasoline RVP 13 Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT154 3(IX)50-265 - T-265 Gasoline RVP 13 Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT155 3(IX)50-271 - T-271 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT156 3(IX)50-300 - T-300 Gasoline RVP 13 Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT157 3(IX)50-301 - T-301 Distillate Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT158 3(IX)50-510 - T-510 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT159 3(IX)50-511 - T-511 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT160 3(IX)50-512 - T-512 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT161 3(IX)50-513 - T-513 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT83 3(IX)50-16 - T-16 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT84 3(IX)50-17 - T-17 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT85 3(IX)50-18 - T-18 Finished Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT86 3(IX)50-22 - T-22 Naphtha Floating Roof Tank

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP117	3(IX)50 Floating Roof Tank Cap	EQT87 3(IX)50-23 - T-23 Naphtha Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT88 3(IX)50-36 - T-36 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT89 3(IX)50-37 - T-37 Recovered Oil Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT90 3(IX)50-40 - T-40 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT91 3(IX)50-41 - T-41 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT93 3(IX)50-43 - T-43 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT94 3(IX)50-44 - T-44 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT95 3(IX)50-45 - T-45 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT96 3(IX)50-46 - T-46 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT97 3(IX)50-48 - T-48 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT98 3(IX)50-49 - T-49 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT99 3(IX)50-50 - T-50 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT100 3(IX)50-51 - T-51 Crude Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT101 3(IX)50-52 - T-52 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT102 3(IX)50-54 - T-54 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT103 3(IX)50-55 - T-55 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT104 3(IX)50-56 - T-56 Gasoline Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT105 3(IX)50-60 - T-60 Distillate Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT106 3(IX)50-61 - T-61 Distillate Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT107 3(IX)50-62 - T-62 Turbine Fuel Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT108 3(IX)50-63 - T-63 Distillate Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT109 3(IX)50-66 - T-66 Turbine Fuel Floating Roof Tank
GRP117	3(IX)50 Floating Roof Tank Cap	EQT111 3(IX)50-81 - T-81 Gasoline Floating Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT187 3(IX)51-94 - T-94 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT188 3(IX)51-101 - F-101 Garage Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT189 3(IX)51-130 - T-130 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT190 3(IX)51-131 - T-131 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT191 3(IX)51-132 - T-132 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT192 3(IX)51-133 - T-133 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT193 3(IX)51-134 - T-134 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT194 3(IX)51-135 - T-135 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT195 3(IX)51-136 - T-136 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT196 3(IX)51-137 - T-137 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT197 3(IX)51-138 - T-138 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT198 3(IX)51-139 - T-139 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT199 3(IX)51-140 - T-140 Turbine Fuel Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT200 3(IX)51-141 - T-141 Turbine Fuel Fixed Roof Tank

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT201 3(IX)51-192 - T-192 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT289 3(IX)51-7 - T-7 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT287 3(IX)51-21 - T-21 Turbine Fuel Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT286 3(IX)51-14 - F-14Proto Skid Gasoline Storage Vessel
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT222 3(IX)51-701 - T-701 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT221 3(IX)51-605 - T-605 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT220 3(IX)51-603 - T-603 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT219 3(IX)51-602 - T-602 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT218 3(IX)51-601 - T-601 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT217 3(IX)51-227 - T-227 Turbine Fuel Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT216 3(IX)51-221 - T-221 Turbine Fuel Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT215 3(IX)51-220 - T-220 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT214 3(IX)51-219 - T-219 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT213 3(IX)51-218 - T-218 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT212 3(IX)51-217 - T-217 Turbine Fuel Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT211 3(IX)51-216 - T-216 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT210 3(IX)51-215 - T-215 Turbine Fuel Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT186 3(IX)51-84 - T-84 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT185 3(IX)51-57 - T-57 FCCU Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT184 3(IX)51-35 - T-35 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT183 3(IX)51-34 - T-34 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT182 3(IX)51-30 - T-30 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT181 3(IX)51-29 - T-29 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT180 3(IX)51-28 - T-28 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT179 3(IX)51-27 - T-27 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT178 3(IX)51-26 - T-26 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT177 3(IX)51-25 - T-25 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT176 3(IX)51-24 - T-24 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT174 3(IX)51-20 - T-20 Turbine Fuel Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT173 3(IX)51-19 - T-19 Turbine Fuel Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT172 3(IX)51-11 - F-11 Garage Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT171 3(IX)51-10 - F-10 Garage Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT169 3(IX)51-5 - T-5 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT168 3(IX)51-4 - T-4 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT167 3(IX)51-2 - T-2 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT166 3(IX)51-1 - T-1 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT202 3(IX)51-193 - T-193 Distillate Fixed Roof Tank

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT203 3(IX)51-194 - T-194 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT204 3(IX)51-195 - T-195 Distillate Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT205 3(IX)51-210 - T-210 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT206 3(IX)51-211 - T-211 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT207 3(IX)51-212 - T-212 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT208 3(IX)51-213 - T-213 No. 6 Fuel Oil Fixed Roof Tank
GRP118	3(IX)51 Fixed Roof Tank Cap	EQT209 3(IX)51-214 - T-214 No. 6 Fuel Oil Fixed Roof Tank
GRP146	Group A Tanks	EQT59 3(IX)50-340 - Tank 340 Storm Water Tank
GRP146	Group A Tanks	EQT73 3(IX)50-3 - T-3 Naphtha Floating Roof Tank
GRP146	Group A Tanks	EQT74 3(IX)50-6 - T-6 Naphtha Floating Roof Tank
GRP146	Group A Tanks	EQT75 3(IX)50-8 - T-8 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT76 3(IX)50-9 - T-9 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT77 3(IX)50-10 - T-10 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT78 3(IX)50-11 - T-11 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT79 3(IX)50-12 - T-12 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT406 3(IX)60-504 - Tank Sphere 504
GRP146	Group A Tanks	EQT405 3(IX)60-503 - Tank Sphere 503
GRP146	Group A Tanks	EQT404 3(IX)60-502 - Tank Sphere 502
GRP146	Group A Tanks	EQT403 3(IX)60-501 - Tank Sphere 501
GRP146	Group A Tanks	EQT402 3(IX)50-42A - T-42A Crude Floating Roof Tank
GRP146	Group A Tanks	EQT80 3(IX)50-13 - T-13 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT81 3(IX)50-14 - T-14 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT82 3(IX)50-15 - T-15 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT83 3(IX)50-16 - T-16 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT84 3(IX)50-17 - T-17 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT85 3(IX)50-18 - T-18 Finished Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT86 3(IX)50-22 - T-22 Naphtha Floating Roof Tank
GRP146	Group A Tanks	EQT87 3(IX)50-23 - T-23 Naphtha Floating Roof Tank
GRP146	Group A Tanks	EQT88 3(IX)50-36 - T-36 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT89 3(IX)50-37 - T-37 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT90 3(IX)50-40 - T-40 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT91 3(IX)50-41 - T-41 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT93 3(IX)50-43 - T-43 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT94 3(IX)50-44 - T-44 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT95 3(IX)50-45 - T-45 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT96 3(IX)50-46 - T-46 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT188 3(IX)51-101 - F-101 Garage Tank

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP146	Group A Tanks	EQT172 3(IX)51-11 - F-11 Garage Tank
GRP146	Group A Tanks	EQT171 3(IX)51-10 - F-10 Garage Tank
GRP146	Group A Tanks	EQT165 3(IX)50-519 - T-519 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT164 3(IX)50-516 - T-516 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT163 3(IX)50-515 - T-515 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT162 3(IX)50-514 - T-514 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT161 3(IX)50-513 - T-513 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT160 3(IX)50-512 - T-512 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT159 3(IX)50-511 - T-511 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT158 3(IX)50-510 - T-510 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT156 3(IX)50-300 - T-300 Gasoline RVP 13 Floating Roof Tank
GRP146	Group A Tanks	EQT155 3(IX)50-271 - T-271 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT154 3(IX)50-265 - T-265 Gasoline RVP 13 Floating Roof Tank
GRP146	Group A Tanks	EQT153 3(IX)50-263 - T-263 Gasoline RVP 13 Floating Roof Tank
GRP146	Group A Tanks	EQT152 3(IX)50-262 - T-262 Gasoline RVP 13 Floating Roof Tank
GRP146	Group A Tanks	EQT150 3(IX)50-260 - T-260 Gasoline RVP 13 Floating Roof Tank
GRP146	Group A Tanks	EQT149 3(IX)50-208 - T-208 Alcohol Floating Roof Tank
GRP146	Group A Tanks	EQT148 3(IX)50-207 - T-207 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT147 3(IX)50-203 - T-203 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT146 3(IX)50-202 - T-202 Alcohol Floating Roof Tank
GRP146	Group A Tanks	EQT145 3(IX)50-201 - T-201 Alcohol Floating Roof Tank
GRP146	Group A Tanks	EQT144 3(IX)50-200 - T-200 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT143 3(IX)50-199 - T-199 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT142 3(IX)50-197 - T-197 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT141 3(IX)50-196 - T-196 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT140 3(IX)50-191 - T-191 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT139 3(IX)50-190 - T-190 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT138 3(IX)50-189 - T-189 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT137 3(IX)50-188 - T-188 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT136 3(IX)50-154 - T-154 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT135 3(IX)50-153 - T-153 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT134 3(IX)50-152 - T-152 Aromatics Floating Roof Tank
GRP146	Group A Tanks	EQT133 3(IX)50-151 - T-151 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT132 3(IX)50-145 - T-145 Naphtha Floating Roof Tank
GRP146	Group A Tanks	EQT131 3(IX)50-144 - T-144 Benzene Feed Tank
GRP146	Group A Tanks	EQT130 3(IX)50-143 - T-143 Naphtha Floating Roof Tank
GRP146	Group A Tanks	EQT129 3(IX)50-142 - T-142 Benzene Feed Tank

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP146	Group A Tanks	EQT128 3(IX)50-106 - T-106 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT127 3(IX)50-105 - T-105 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT126 3(IX)50-104 - T-104 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT125 3(IX)50-103 - T-103 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT124 3(IX)50-101 - T-101 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT123 3(IX)50-100 - T-100 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT122 3(IX)50-99 - T-99 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT121 3(IX)50-98 - T-98 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT120 3(IX)50-97 - T-97 Recovered Oil Floating Roof Tank
GRP146	Group A Tanks	EQT119 3(IX)50-93 - T-93 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT118 3(IX)50-92 - T-92 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT117 3(IX)50-91 - T-91 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT116 3(IX)50-89 - T-89 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT115 3(IX)50-88 - T-88 Naphtha Floating Roof Tank
GRP146	Group A Tanks	EQT114 3(IX)50-87 - T-87 Naphtha Floating Roof Tank
GRP146	Group A Tanks	EQT113 3(IX)50-85 - T-85 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT288 3(IX)50-604 - T-604 Ballast Water Tank
GRP146	Group A Tanks	EQT286 3(IX)51-14 - F-14Proto Skid Gasoline Storage Vessel
GRP146	Group A Tanks	EQT284 3(IX)50-80 - T-80 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT283 3(IX)50-330 - T-330 WWTP Stormwater Tank
GRP146	Group A Tanks	EQT282 3(IX)50-320 - T-320 WWTP Stormwater Tank
GRP146	Group A Tanks	EQT281 3(IX)50-310 - T-310 WWTP Stormwater Tank
GRP146	Group A Tanks	EQT280 3(IX)50-209 - T-209 Sulfolane Solvent Floating Roof Tank
GRP146	Group A Tanks	EQT279 3(IX)50-187 - T-187 Caustic Floating Roof Tank
GRP146	Group A Tanks	EQT278 3(IX)50-185 - T-185 Caustic Floating Roof Tank
GRP146	Group A Tanks	EQT277 3(IX)50-182 - T-182 Caustic Floating Roof Tank
GRP146	Group A Tanks	EQT276 3(IX)50-180 - T-180 Caustic Floating Roof Tank
GRP146	Group A Tanks	EQT274 3(IX)50-1002 - T-1002 Xylene Floating Roof Tank
GRP146	Group A Tanks	EQT273 3(IX)50-1001 - T-1001 Xylene Floating Roof Tank
GRP146	Group A Tanks	EQT97 3(IX)50-48 - T-48 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT98 3(IX)50-49 - T-49 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT99 3(IX)50-50 - T-50 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT100 3(IX)50-51 - T-51 Crude Floating Roof Tank
GRP146	Group A Tanks	EQT101 3(IX)50-52 - T-52 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT102 3(IX)50-54 - T-54 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT103 3(IX)50-55 - T-55 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT104 3(IX)50-56 - T-56 Gasoline Floating Roof Tank

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AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER20070008

Permit Number: 2796-V6

Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP146	Group A Tanks	EQT105 3(IX)50-60 - T-60 Distillate Floating Roof Tank
GRP146	Group A Tanks	EQT111 3(IX)50-81 - T-81 Gasoline Floating Roof Tank
GRP146	Group A Tanks	EQT112 3(IX)50-83 - T-83 Naphtha Floating Roof Tank
GRP147	Group B Tanks	EQT106 3(IX)50-61 - T-61 Distillate Floating Roof Tank
GRP147	Group B Tanks	EQT107 3(IX)50-62 - T-62 Turbine Fuel Floating Roof Tank
GRP147	Group B Tanks	EQT108 3(IX)50-63 - T-63 Distillate Floating Roof Tank
GRP147	Group B Tanks	EQT109 3(IX)50-66 - T-66 Turbine Fuel Floating Roof Tank
GRP147	Group B Tanks	EQT151 3(IX)50-261 - T-261 Distillate Floating Roof Tank
GRP147	Group B Tanks	EQT157 3(IX)50-301 - T-301 Distillate Floating Roof Tank
GRP147	Group B Tanks	EQT166 3(IX)51-1 - T-1 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT167 3(IX)51-2 - T-2 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT168 3(IX)51-4 - T-4 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT206 3(IX)51-211 - T-211 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT169 3(IX)51-5 - T-5 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT173 3(IX)51-19 - T-19 Turbine Fuel Fixed Roof Tank
GRP147	Group B Tanks	EQT174 3(IX)51-20 - T-20 Turbine Fuel Fixed Roof Tank
GRP147	Group B Tanks	EQT176 3(IX)51-24 - T-24 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT177 3(IX)51-25 - T-25 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT178 3(IX)51-26 - T-26 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT179 3(IX)51-27 - T-27 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT180 3(IX)51-28 - T-28 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT287 3(IX)51-21 - T-21 Turbine Fuel Fixed Roof Tank
GRP147	Group B Tanks	EQT222 3(IX)51-701 - T-701 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT221 3(IX)51-605 - T-605 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT220 3(IX)51-603 - T-603 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT219 3(IX)51-602 - T-602 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT218 3(IX)51-601 - T-601 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT217 3(IX)51-227 - T-227 Turbine Fuel Fixed Roof Tank
GRP147	Group B Tanks	EQT216 3(IX)51-221 - T-221 Turbine Fuel Fixed Roof Tank
GRP147	Group B Tanks	EQT215 3(IX)51-220 - T-220 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT289 3(IX)51-7 - T-7 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT214 3(IX)51-219 - T-219 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT213 3(IX)51-218 - T-218 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT212 3(IX)51-217 - T-217 Turbine Fuel Fixed Roof Tank
GRP147	Group B Tanks	EQT211 3(IX)51-216 - T-216 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT210 3(IX)51-215 - T-215 Turbine Fuel Fixed Roof Tank
GRP147	Group B Tanks	EQT209 3(IX)51-214 - T-214 No. 6 Fuel Oil Fixed Roof Tank

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
Permit Number: 2796-V6
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP147	Group B Tanks	EQT208 3(IX)51-213 - T-213 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT207 3(IX)51-212 - T-212 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT181 3(IX)51-29 - T-29 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT182 3(IX)51-30 - T-30 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT183 3(IX)51-34 - T-34 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT184 3(IX)51-35 - T-35 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT185 3(IX)51-57 - T-57 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT186 3(IX)51-84 - T-84 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT187 3(IX)51-94 - T-94 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT189 3(IX)51-130 - T-130 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT205 3(IX)51-210 - T-210 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT190 3(IX)51-131 - T-131 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT191 3(IX)51-132 - T-132 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT192 3(IX)51-133 - T-133 No. 6 Fuel Oil Fixed Roof Tank
GRP147	Group B Tanks	EQT193 3(IX)51-134 - T-134 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT194 3(IX)51-135 - T-135 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT195 3(IX)51-136 - T-136 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT196 3(IX)51-137 - T-137 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT197 3(IX)51-138 - T-138 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT198 3(IX)51-139 - T-139 FCCU Fixed Roof Tank
GRP147	Group B Tanks	EQT199 3(IX)51-140 - T-140 Turbine Fuel Fixed Roof Tank
GRP147	Group B Tanks	EQT200 3(IX)51-141 - T-141 Turbine Fuel Fixed Roof Tank
GRP147	Group B Tanks	EQT201 3(IX)51-192 - T-192 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT202 3(IX)51-193 - T-193 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT203 3(IX)51-194 - T-194 Distillate Fixed Roof Tank
GRP147	Group B Tanks	EQT204 3(IX)51-195 - T-195 Distillate Fixed Roof Tank
GRP148	3(IX)64 Marine Loading Cap - Controlled	EQT63 3(IX)34 - B-13 Flare ("A"Dock)
GRP148	3(IX)64 Marine Loading Cap - Controlled	EQT64 3(IX)35 - B-14 Flare ("B/C"Dock)

Relationships:

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT007	3(XXX)1 - Vapor Combustor System - Marine Dock		54000	8		50	1500
EQT059	3(IX)50-340 - Tank 340 Storm Water Tank			210		50	
EQT063	3(IX)34 - B-13 Flare ("A"Dock)	65.62	85833	5.27		75	1832
EQT064	3(IX)35 - B-14 Flare ("B/C"Dock)	65.62	249572	8.98		100	1832

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INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER20070008
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Air - Title V Regular Permit Minor Mod

Stack Information:

ID		Velocity *(ft/sec)*	Flow Rate *(cubic ft/min-actual)*	Diameter *(feet)*	Discharge Area *(square feet)*	Height *(feet)*	Temperature *(oF)*
EQT065	3(IX)37 - Wastewater Treatment						
EQT066	3(IX)38 - B-700 Wastewater Treatment Plant Flare	65.62	67974	4.69		50	1832
EQT163	3(IX)50-515 - T-515 Recovered Oil Floating Roof Tank					37	
EQT168	3(IX)51-4 - T-4 No. 6 Fuel Oil Fixed Roof Tank					52	
EQT169	3(IX)51-5 - T-5 No. 6 Fuel Oil Fixed Roof Tank					52	
EQT173	3(IX)51-19 - T-19 Turbine Fuel Fixed Roof Tank					40	
EQT174	3(IX)51-20 - T-20 Turbine Fuel Fixed Roof Tank					48	
EQT184	3(IX)51-35 - T-35 Distillate Fixed Roof Tank					42	
EQT189	3(IX)51-130 - T-130 No. 6 Fuel Oil Fixed Roof Tank					31	
EQT216	3(IX)51-221 - T-221 Turbine Fuel Fixed Roof Tank					31	
EQT287	3(IX)51-21 - T-21 Turbine Fuel Fixed Roof Tank					48	

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP116	16.5	1,000 BBL/Day	0720 - Petroleum Refining (Rated Capacity)

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