BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20100027
Agency Interest No. 1376

Mr. Richard A. Igercich
Refinery Manager
Chalmette Refinery, L.L.C
PO Box 1007
Chalmette, LA 70044-1007

RE: Part 70 Operating Permit Renewal/Modification, No. 2 Crude/Coker Units, Chalmette Refining LLC - Chalmette Refinery, Chalmette, St. Bernard Parish, Louisiana

Dear Mr. Richard A. Igercich:

This is to inform you that the permit renewal/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 ___ of _____, 2015, 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.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2010.

Permit No.: 2933-V4

Sincerely,

P/N

Cheryl Sonnier Nolan
Assistant Secretary

SGQ
c: EPA Region VI

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

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

I. Background

Chalmette Refining, L.L.C. (CRLLC) is a joint venture between ExxonMobil Corporation (EMOC) and Petroleos de Venezuela (PDV), the Venezuelan National Oil Company. Chalmette Refinery is located on the left descending bank of Mississippi River at Mile 89 above Head-of-Passes at Chalmette and is operated by EMOC. The facility operates under a Part 70 Operating Permit No. 2933-V3 dated March 1, 2010 and Prevention of Significant Deterioration (PSD) Permit No. PSD-LA-199(M-8) dated September 15, 2009. This permit deals with the No. 2 Crude/Coker Units.

II. Origin

This review was initiated by an application dated September 1, 2010 for the No. 2 Crude/Coker Units equipment to modify the current permit.

III. Description

Chalmette Refinery is an integrated crude operation (high conversion) which includes crude distillation, catalytic reforming, fluid catalytic cracking (FCC), hydrocracking, HF alkylation, delayed coking, and aromatics processing units. The refinery is capable of producing gasoline, diesel, benzene/toluene/xylene (BTX), distillates, and sulfur recovery as well as by-products such as petroleum coke and LPG.

The No. 2 Crude Unit (CR2) processes feed stocks into two finished products straight run gasoline and kerosene, and several by-products that require further processing or treatment. Straight run gasoline and kerosene are sent from CR2 to storage for sale. The primary equipment in CR2 includes preheaters and desalters, prefrac tower and stabilizer, an atmospheric distillation tower, a gas oil tower, and a vacuum distillation tower. The CR2 atmospheric tower fractionates the crude oil into overhead products, kerosene, heavy naphtha, gas oils, and tower bottoms. Overheads from the crude unit are sent to either the Prefractionator where they are processed further or pumped back to the atmospheric tower as reflux. Side streams from CR2 are sent to storage or to various units for further processing. Atmospheric tower bottoms go to the Resid Stripper, and then to the Gas Oil Tower. The Gas Oil Tower produces kerosene, various grades of gas oils for processing in other units, and tower bottoms that are sent to the Vacuum tower for further fractionation. Heavy material leaving the Vacuum Tower is routed to either the Cat Feed Hydrotreater or the Cokers. Some of the heavy materials can be blended on the No. 2 Coker (CK2) to produce saleable grade asphalt.

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

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

The No. 2 Coker Unit (CK2) processes feed stock received from the Crude Units and Vacuum Tower bottom storage. CK2 produces one finished product, coke, and several other by-products that require further processing or treatment. CK2 also provides blending facilities for asphalt production.

Chalmette Refining, L.L.C proposes to renew/modify the existing permit as follows:

1. Incorporate the NSPS, 40 CFR 60 Subpart QQQ requirements based on the fugitive abatement project and also update the specific requirements as necessary;
2. Incorporate NESHAP, 40 CFR 63 Subpart ZZZZ requirement for No. 2 Coker Compressor Diesel Engine, Emission Point K-8104;
3. Reconcile the fuel gas H_2S concentration from less than 160 to less than 162 parts per million (ppm) based on the conversion of grains/dscf to ppm; and
4. Update the Insignificant Activities and General Condition XVII List based on the current changes.

Permitted emissions from the No. 2 Crude/Coker Units in tons per year are as follows:

Pollutant	Before	After	Change*
PM_{10}	22.90	22.90	-
SO_2	62.31	62.31	-
NO_X	175.43	175.43	-
CO	138.82	138.82	-
VOC *	92.24	92.95	+ 0.71

* VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	Before	After	Change
1,3-Butadiene	0.02	0.02	-
2,2,4-Trimethylpentane	0.02	0.02	-
Acetonitrile	<0.001	<0.001	-
Benzene	0.54	0.51	- 0.03
Biphenyl	0.14	0.13	- 0.01
n-Butyl alcohol	0.003	0.003	-
Carbon disulfide	0.002	0.002	-
Chlorobenzene	0.002	0.002	-

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

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

* VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	Before	After	Change
Cresol	0.14	0.13	- 0.01
Cumene	0.07	0.07	-
Ethyl benzene	0.37	0.36	- 0.01
Methanol	2.03	1.84	- 0.19
Methyl ethyl ketone	0.19	0.17	- 0.02
Methyl isobutyl ketone	0.002	0.002	-
n-Hexane	0.94	0.94	-
Naphthalene (and methyl-naphthalenes)	0.67	0.62	- 0.05
Phenol	0.23	0.20	- 0.03
Polynuclear Aromatic Hydrocarbons	0.04	0.04	-
Quinoline	<0.001	<0.001	-
Styrene	0.03	0.03	-
Toluene	2.11	1.98	- 0.03
Trichloroethylene	0.001	0.001	-
Xylene (mixed isomers)	2.29	2.14	- 0.15
Total	**9.84**	**9.21**	**- 0.63**
Other VOC		**83.74**	
Non-VOC Toxic Air Pollutants (TAPs):			
Pollutant	Before	After	Change
Ammonia	3.82	3.57	- 0.25
Dichloromethane	0.001	0.001	-
Hydrogen sulfide	1.02	1.02	-
Nickel (and compounds)	0.002	0.002	-
Phosphorus	0.001	0.001	-
Sulfuric acid	0.002	0.002	-

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

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

* VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	Before	After	Change
Tetrachloroethylene	0.002	0.002	-
Zinc (and compounds)	0.001	0.001	-
Total	**4.85**	**4.60**	**- 0.25**

No further analysis or reviews are required as the overall emissions increases are insignificant due to the proposed modifications.

IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Air Toxic Compliance plan was approved on March 13, 1996, the LDAR provisions were approved on October 11, 1996 and the SOCMI HON wastewater provisions were approved on May 21, 1996; and have been incorporated in this permit.

V. Credible Evidence

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

VI. Public Notice

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The St. Bernard Voice, Arabi, Louisiana, on October **, 2010. Copies of the public notice were mailed out to individuals on the mailing list maintained

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

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

by Office of Environmental Services on October **, 2010. The proposed permit was sent to EPA via e-mail on October **, 2010. All comments received shall be considered before a final decision is made for this proposed permit.

VII. Effects on Ambient Air

Emissions associated with the proposed renewal/modification were reviewed by the Air Permits Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ($\mu g/m^3$)	Louisiana Air Quality Standard (NAAQS) ($\mu g/m^3$)
NA			

VIII. General Condition XVII Activities

Activity	Frequency	VOC	PM	SO_2	NOx	CO	Other
		TPY	TPY	TPY	TPY	TPY	TPY
Equipment Maintenance/Preparation and Other Routine Activities	11, 000 events/year	2.90	1.40	0.08	0.92	3.84	-
Planned Startup/Shutdown and Turnaround Activities	500 events/yr	-	-	-	-	1.80	-

IX. Insignificant Activities

	Description	Citation
-	Unit Tanks (each less than 250 gal, <3.5 psia)	LAC 33:III.501.B.5.A.2
-	Unit Tanks (each less than 10,000 gal, <0.5 psia)	LAC 33:III.501.B.5.A.3
-	Process Stream Analyzer Emission	LAC 33:III.501.B.5.A.9

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2111	2113	2121	2115	2139	2141	17	29*	51*	509	56	59
UNF006	CR2CK2, Crude/Coker No. 2 Units	1	1	1	1				1			1	1		1	1		1	1
EQT028	37, Crude No. 2 Atmospheric Heater (F-7401)			1	1	1										2	1		
EQT029	43, No. Crude Vacuum Heater (F-7601)			1	1	1										2	1		
EQT030	60, No. 2 Coker Heater (F-8101)			1	1	1										2	1		
EQT031	65, No. 2 Crude Gas Oil Heater (F-7410)			1	1	1										2	1		
EQT032	83b, No. 2 Coker Coke Handling/Loading				1						2					1			
EQT033	C-7654, No. 2 Crude Spent Caustic Vessel Vent				1	1					2					1			
EQT034	K-8104, No. 2 Coker Compressor Diesel Engine			1	1	1					2					2			
EQT035	TK-003-17, Chemical Tank 003-17						1									1			
EQT36	TK-003-22, Chemical Tank 003-22						2									1			
EQT037	TK-023-08, Chemical Tank 023-08						2									1			
EQT038	TK-023-12, Chemical Tank 023-12						2									1			
EQT039	TK-174-19, Chemical Tank 174-19						2									1			
EQT040	TK-8101, No. 2 Coker Cutting Water Tank						2									1			
EQT041	TK-8103, No. 2 Coker Feed Tank						1									1			
EQT042	TK-ChemCK2, Chemical Tank CK2						2									1			

LDEQ-EDMS Document 7733042, Page 10 of 192

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2111	2113	2121	2115	2139	2141	17	29*	51*	509	56	59
EQT271	TK-174-16, Chemical Tank 174-16						2									1			
EQT272	MPV, Miscellaneous Process Vents				1	1										1			
FUG003	FE-CRCK2, No. 2 Crude/Coker Fugitives							1		1						1			

KEY TO MATRIX

1 - The regulations have applicable requirements which 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 which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, 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, and fugitives) but do not apply to this particular emission source.

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

* The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

LDEQ-EDMS Document 7733042, Page 11 of 192

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61					40 CFR 63 NESHAP						40 CFR	
		A	Db	Dc	J	Kb	VV	GGG	GGGa	QQQ	A	J	M	V	FF	A	F	G	CC	4Zs	4Es	64/68	82
UNF006	CR2CK2, Crude/Coker No. 2 Units	1									1		1		1	1	2	2	1			2/1	1
EQT028	37, Crude No. 2 Atmospheric Heater (F-				1																		
EQT029	43, No. Crude Vacuum Heater				1																		
EQT030	60, No. 2 Coker Heater (F-8101)				1																		
EQT031	65, No. 2 Crude Gas Oil Heater				1																		
EQT032	83b, No. 2 Coker Coke Handling/Loading																		2				
EQT033	C-7654, No. 2 Crude Spent Caustic Vessel																		1				
EQT034	K-8104, No. 2 Coker Compressor Diesel Engine				2		Subpart IIII does not apply													1			
EQT035	TK-003-17, Chemical Tank 003-17					2				2									2		1		
EQT036	TK-003-22, Chemical Tank 003-22					2				2									2		1		
EQT037	TK-023-08, Chemical Tank 023-08					2				2									2		1		

LDEQ-EDMS Document 7733042, Page 12 of 192

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61					40 CFR 63 NESHAP						40 CFR	
		A	Db	Dc	J	Kb	VV	GGG	GGGa	QQQ	A	J	M	V	FF	A	F	G	CC	4Zs	4Es	64/68	82
EQT038	TK-023-12, Chemical Tank 023-12					2				2									2				
EQT039	TK-174-19, Chemical Tank 174-19					2				2									2		1		
EQT040	TK-8101, No. 2 Coker Cutting Water Tank					2				2									1				
EQT041	TK-8103, No. 2 Coker Feed Tank					1				2									1				
EQT042	TK-ChemCK2, Chemical Tank CK2					2				2									2		1		
EQT271	TK-174-16, Chemical Tank 174-16					1				2									2		1		
EQT272	MPV, Miscellaneous Process Vents																		1				
FUG003	FE-CRCK2, No. 2 Crude/Coker Fugitives						2	1	1	1		2		2					1				

LDEQ-EDMS Document 7733042, Page 13 of 192

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61					40 CFR 63 NESHAP						40 CFR	
		A	Db	Dc	J	Kb	VV	GGG	GGGa	QQQ	A	J	M	V	FF	A	F	G	CC	4Zs	4Es	64/68	82

KEY TO MATRIX

1 - The regulations have applicable requirements which 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 which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, 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, and fugitives) but do not apply to this particular emission source.

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

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

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

ID No:	Requirement	Status	Citation	Explanation
UNF006 CR2CK2, Crude/Coker No. 2 Units	NESHAP, Subparts F, G, and H	Does not apply	40 CFR 63.100(j)(2)	Units in Petroleum Refining facility and not SOCMI Units or meets the requirements of non-applicability
	Compliance Assurance Monitoring for Major Stationary Sources	Does not apply	40 CFR 64.2	Units or equipment do not use any add on control device to achieve compliance or do not emit more than 100 tpy pre-control
EQT028, EQT029, EQT030 EQT031 Crude/Coker Heaters 37, 43, 60, 65	Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.5105.B.3.a	Burns natural gas and refinery fuel gas
EQT032 No. 2 Coker Coke Handling 83b	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.1.c	VOC less than 100 lbs per 24-hour period
	NESHAP, Subpart CC – Petroleum Refineries, Miscellaneous Process Vents	Does not apply	40 CFR 63.641	Does not meet the definition of a process vent
EQT033 No. 2 Crude Spent Caustic Vessel Vent C-7654	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.1.c	VOC less than 100 lbs per 24-hour period
EQT034 No. 2 Coker Compressor Diesel Engine K-8104	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.1.c	VOC less than 100 lbs per 24-hour period
	Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.5105.B.3.a	Burns natural gas
	NSPS, Subpart J – Standards of Performance for Petroleum Refineries	Does not apply	40 CFR 60.101	Does not burn any refinery fuel gas or process gas

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

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

ID No:	Requirement	Status	Citation	Explanation
EQT034 No. 2 Coker Compressor Diesel Engine K-8104 (Continued)	NSPS, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Does not apply	40 CFR 60.4200(1)(i)	Constructed prior to July 11, 2005
EQT035 Chemical Tanks TK-003-17	NSPS, Subpart Kb – Standards for Performance for Volatile Organic Liquid Storage Vessels	Does not apply	40 CFR 60.110b(b)	Constructed before June 11, 1973
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690(a)	Based on date of construction
	NESHAP, Subpart CC – Petroleum Refineries, Miscellaneous Process Vents	Does not apply	40 CFR 63.641	Based on capacity
EQT36 thru EQT39 Storage Tanks TK-003-22, TK-023-08, TK-023-12, TK-174-19	Chapter 21, Control of Emissions of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103	Vapor pressure of the material stored in the tank is less than 1.5 psia
	NSPS, Subpart Kb – Standards for Performance for Volatile Organic Liquid Storage Vessels	Does not apply	40 CFR 60.110b(b)	Constructed before June 11, 1973
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690(a)	Based on date of construction
	NESHAP, Subpart CC – Petroleum Refineries, Miscellaneous Process Vents	Does not apply	40 CFR 63.641	Based on capacity

LDEQ-EDMS Document 7733042, Page 16 of 192

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

ID No:	Requirement	Status	Citation	Explanation
EQT040 Cutting Water Tank TK-8101	Chapter 21, Control of Emissions of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103	Vapor pressure of the material stored in the tank is less than 1.5 psia
	NSPS, Subpart Kb – Standards for Performance for Volatile Organic Liquid Storage Vessels	Does not apply	40 CFR 60.110b(b)	Constructed before June 11, 1973
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690	Not an affected source
EQT041 No. 2 Coker Feed Tank TK-8103	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690	Not an affected source
EQT042 Chemical Tank TK-ChemCK2	Chapter 21, Control of Emissions of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103	Vapor pressure of the material stored in the tank is less than 1.5 psia
	NSPS, Subpart Kb – Standards for Performance for Volatile Organic Liquid Storage Vessels	Does not apply	40 CFR 60.110b(b)	Constructed before June 11, 1973
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690	Not an affected source.
	NESHAP, Subpart CC – Petroleum Refineries, Miscellaneous Process Vents	Does not apply	40 CFR 63.641	Based on capacity
EQT271 Chemical Tank TK-174-16	Chapter 21, Control of Emissions of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103	Vapor pressure of the material stored in the tank is less than 1.5 psia

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

No. 2 CRUDE/COKER UNITS
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

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

ID No:	Requirement	Status	Citation	Explanation
EQT271 Chemical Tank TK-174-16 (Continued)	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690	Not an affected source.
	NESHAP, Subpart CC – Petroleum Refineries, Miscellaneous Process Vents	Does not apply	40 CFR 63.641	Based on capacity
FUG003 No. 2 Crude/Coker Fugitives FE-CRCK2	NSPS, Subpart VV – New Source Performance Standard for Equipment Leaks of VOC in SOCMI	Does not apply	40 CFR 60.480	Not a SOCMI facility
	NESHAP, Subpart J – National Emission Standard for Equipment Leaks of Benzene	Does not apply	40 CFR 61.110(a)	Not in benzene service
	NESHAP, Subpart V – Equipment Leaks of VHAP	Does not apply	40 CFR 61.240(a)	Process units do not have streams that contains greater than 10% by wt of VHAP
The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit				

General Information

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

Also Known As:

ID	Name	User Group	Start Date
2500-00005	CDS Number	CDS Number	05-27-1993
8020411	EPA EIS Facility Site ID	EPA EIS Facility Site ID	01-01-2008
13-5401570	Mobil Oil Corp	Federal Tax ID	08-07-2002
LAD008179707	Chalmette Refining LLC	Hazardous Waste Notification	10-22-2002
PMT/CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
00597	Chalmette Refining	Inactive & Abandoned Sites	11-23-1999
LA0004260	LPDES #	LPDES Permit #	05-22-2003
LAR05N979	LPDES #	LPDES Permit #	05-29-2008
WP0569	LWDPS #	LWDPS Permit #	06-25-2003
WP3391	LWDPS #	LWDPS Permit #	06-25-2003
01-269	Motor Fuel Delivery Certificate #	Motor Fuel Delivery Certificate	08-07-2002
	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
LA-2247-L01	Radioactive Material License	Radiation License Number	01-19-1999
6264	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GD-087-1774	Mobil Oil Corp	Solid Waste	01-08-2002
GD-087-1774	Site ID #	Solid Waste Facility No.	11-21-1999
19637	Exxon Co USA - Chalmette Terminal	TEMPO Merge	04-24-2001
36173	Mobil Oil Corp	TEMPO Merge	04-26-2001
38796	ExxonMobil Oil Corp - Chalmette Refining LLC	TEMPO Merge	12-16-2003
44916	Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	05-22-2001
45047	Chalmette Refining LLC - A Delaware Ltd Liability Co	TEMPO Merge	03-28-2001
47202	Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	10-02-2001
70143TNNCL500WE	TRI#	Toxic Release Inventory	07-09-2004
44015380	UST Facility ID (from UST legacy data)	UST FID #	10-12-2002

Physical Location: 500 W St Bernard Hwy
Chalmette, LA 70043

Main FAX: 5042811365
Main Phone: 5042811212

Mailing Address: PO Box 1007
Chalmette, LA 700441007

Location of Front Gate: 29.937903 latitude, -89.969903 longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Robert Cooper		5042320276 (WP)	Katrina Response Contact for

TPOR0148

LDEQ-EDMS Document 7733042, Page 18 of 192

General Information

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

Related People:

Name	Mailing Address	Phone (Type)	Relationship
J. M. Dor	PO Box 4541 Houston, TX 772104541		Motor Fuel Delivery Certificate Contact for
George Graham	PO Box 1007 Chalmette, LA 700441007	George.a.graham@e	Emission Inventory Facility Contact for
George Graham	PO Box 1007 Chalmette, LA 700441007	George.a.graham@e	Emission Inventory Facility Contact for
George Graham	PO Box 1007 Chalmette, LA 700441007	5042811811 (WP)	Water Billing Party for
George Graham	PO Box 1007 Chalmette, LA 700441007	5042811811 (WP)	Emission Inventory Facility Contact for
George Graham	PO Box 1007 Chalmette, LA 700441007	George.a.graham@e	Water Billing Party for
George Graham	PO Box 1007 Chalmette, LA 700441007	5042811811 (WP)	Emission Inventory Facility Contact for
Richard Igercich	PO Box 1007 Chalmette, LA 700441007	5042811438 (WP)	Responsible Official for
Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CHARLIE.KOMINAS	Accident Prevention Contact for
Charles Kominas	PO Box 1007 Chalmette, LA 700441007	5042811811 (WP)	Accident Prevention Contact for
Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CHARLIE.KOMINAS	Air Permit Contact For
Charles Kominas	PO Box 1007 Chalmette, LA 700441007	5042811811 (WP)	Air Permit Contact For
Wayne LaCombe	PO Box 1007 Chalmette, LA 700441007	5049134740 (CP)	Radiation Safety Officer for
Wayne LaCombe	PO Box 1007 Chalmette, LA 700441007	5049134740 (CP)	Radiation Contact For
Wayne LaCombe	PO Box 1007 Chalmette, LA 700441007	5042811956 (WP)	Radiation Contact For
Wayne LaCombe	PO Box 1007 Chalmette, LA 700441007	5042811469 (WF)	Radiation Contact For
Wayne LaCombe	PO Box 1007 Chalmette, LA 700441007	wayne.m.lacombe@	Radiation Safety Officer for
Wayne LaCombe	PO Box 1007 Chalmette, LA 700441007	5042811956 (WP)	Radiation Safety Officer for
Wayne LaCombe	PO Box 1007 Chalmette, LA 700441007	5042811469 (WF)	Radiation Safety Officer for
Wayne LaCombe	PO Box 1007 Chalmette, LA 700441007	wayne.m.lacombe@	Radiation Contact For
Kerry Maranto	PO Box 1007 Chalmette, LA 700441007	5042811956 (WP)	Accident Prevention Billing Party for
Kerry Maranto	PO Box 1007 Chalmette, LA 700441007	5042811469 (WF)	Accident Prevention Billing Party for
Jimmy Street	500 W St Bernard Hwy Chalmette, LA 70043	5042811918 (WP)	Haz. Waste Billing Party for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	504-281-1811 (WP)	Owns
Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	504-281-1811 (WP)	Radiation Registration Billing Party for
Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	504-281-1811 (WP)	Air Billing Party for
Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	504-281-1811 (WP)	Radiation License Billing Party for
Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	504-281-1811 (WP)	Emission Inventory Billing Party
ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 700441007		Operates
ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 700441007		UST Billing Party for

LDEQ-EDMS Document 7733042, Page 19 of 192

General Information

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

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 Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

LDEQ-EDMS Document 7733042, Page 20 of 192

INVENTORIES

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
No. 2 Crude/Coker						
EQT 0028	37 - No. 2 Crude Atmospheric Heater (F-7401)		210 MM BTU/hr		CAP	8760 hr/yr
EQT 0029	43 - No. Crude Vacuum Heater (F-7601)		110 MM BTU/hr	105 MM BTU/hr		8760 hr/yr
EQT 0030	60 - No. 2 Coker Heater (F-8101)		210 MM BTU/hr	200 MM BTU/hr		8760 hr/yr
EQT 0031	65 - No. 2 Crude Gas Oil Heater (F-7410)		185 MM BTU/hr		CAP	8760 hr/yr
EQT 0032	83b - No. 2 Coker Coke Handling/Loading			728175 tons/yr	Coke Production	8760 hr/yr
EQT 0033	C-7654 - No. 2 Crude Spent Caustic Vessel Vent			28069 gallons/yr		8760 hr/yr
EQT 0034	K-8104 - No. 2 Coker Compressor Diesel Engine		457 horsepower			8760 hr/yr
EQT 0035	TK-003-17 - Chemical Tank 003-17	4000 gallons				8760 hr/yr
EQT 0036	TK-003-22 - Chemical Tank 003-22	330 gallons				8760 hr/yr
EQT 0037	TK-023-08 - Chemical Tank 023-08	4000 gallons				8760 hr/yr
EQT 0038	TK-023-12 - Chemical Tank 023-12	550 gallons				8760 hr/yr
EQT 0039	TK-174-19 - Chemical Tank 174-19	2500 gallons				8760 hr/yr
EQT 0040	TK-8101 - No. 2 Coker Cutting Water Tank	424450 gallons				8760 hr/yr
EQT 0041	TK-8103 - No. 2 Coker Feed Tank	84000 gallons				8760 hr/yr
EQT 0042	TK-ChemCK2 - Chemical Tank CK2	330 gallons				8760 hr/yr
EQT 0271	TK-174-16 - Chemical Tank 174-16	4100 gallons				8760 hr/yr
EQT 0272	MPV - Miscellaneous Process Vents					(None Specified)
FUG 0003	FE-CRCK2 - No. 2 Crude/Coker Fugitives					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
No. 2 Crude/Coker							
EQT 0028	37 - No. 2 Crude Atmospheric Heater (F-7401)	29.9	113694	9		180	728
EQT 0029	43 - No. Crude Vacuum Heater (F-7601)	31.5	58282	6		170	760
EQT 0030	60 - No. 2 Coker Heater (F-8101)	53.8	96462	6		200	830
EQT 0031	65 - No. 2 Crude Gas Oil Heater (F-7410)	44	92803	7		171	773
EQT 0032	83b - No. 2 Coker Coke Handling/Loading						
EQT 0033	C-7654 - No. 2 Crude Spent Caustic Vessel Vent						
EQT 0034	K-8104 - No. 2 Coker Compressor Diesel Engine	112.5	1284	1		8	400
FUG 0003	FE-CRCK2 - No. 2 Crude/Coker Fugitives						

Relationships:

LDEQ-EDMS Document 7733042, Page 21 of 192

INVENTORIES

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Group Type	Group Description
GRP 0041	Equipment Group	HC - No. 2 Crude Heater CAP
UNF 0006	Unit or Facility Wide	CR2CK2 - No. 2 Crude/Coker

Group Membership:

ID	Description	Member of Groups
EQT 0028	37 - No. 2 Crude Atmospheric Heater (F-7401)	GRP0000000041
EQT 0031	65 - No. 2 Crude Gas Oil Heater (F-7410)	GRP0000000041

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0720	0720 Petroleum Refining (Rated Capacity)	1	M bbl/day

SIC Codes:

2911	Petroleum refining	UNF 006

LDEQ-EDMS Document 7733042, Page 22 of 192

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

	CO			NOx			PM10			SO2			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**
No. 2 Crude/Coker															
EQT 0028 37		17.30			10.50			1.64			7.35			1.19	
EQT 0029 43	4.20	9.06	18.40	11.63	12.62	50.95	0.78	0.86	3.43	2.10	3.85	9.20	0.57	0.62	2.48
EQT 0030 60	8.00	17.30	35.04	10.00	15.75	43.80	1.49	1.64	6.53	4.00	7.35	17.52	1.08	1.19	4.72
EQT 0031 65		15.24			13.88			1.45			6.48			1.05	
EQT 0032 83b	3.13		13.69				0.16		0.69	0.18		0.79	0.44		1.94
EQT 0033 C-7654													0.02		0.06
EQT 0034 K-8104	1.98	2.62	8.62	3.27	4.36	14.32	0.11	0.15	0.50	0.75	1.00	3.27	0.36	0.48	1.59
EQT 0035 TK-003-17													0.02		0.09
EQT 0036 TK-003-22													0.01		0.06
EQT 0037 TK-023-08													0.06		0.27
EQT 0038 TK-023-12													0.002		0.01
EQT 0039 TK-174-19													0.01		0.03
EQT 0040 TK-8101													0.60		2.65
EQT 0041 TK-8103													0.19		0.81
EQT 0042 TK-ChemCK2													0.02		0.04
EQT 0271 TK-174-16													0.003		0.01
FUG 0003 FE-CRCK2													15.91		69.67
GRP 0041 HC	14.40		63.07	15.15		66.36	2.69		11.75	7.20		31.53	1.95		8.52

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

LDEQ-EDMS Document 7733042, Page 23 of 192

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
EQT 0032 83b	Hydrogen sulfide	0.08	0.34
	Nickel (and compounds)	<0.001	<0.001
EQT 0033 C-7654	2,2,4-Trimethylpentane	<0.001	<0.001
	Benzene	<0.001	<0.001
	Carbon disulfide	<0.001	<0.001
	Cresol	<0.001	<0.001
	Cumene	<0.001	<0.001
	Ethyl benzene	<0.001	<0.001
	Methanol	<0.001	<0.001
	Naphthalene (and Methyl naphthalenes)	<0.001	<0.001
	Phenol	<0.001	<0.001
	Polynuclear Aromatic Hydrocarbons	<0.001	<0.001
	Toluene	<0.001	<0.001
	Xylene (mixed isomers)	<0.001	<0.001
	n-Hexane	<0.001	<0.001
EQT 0035 TK-003-17	Methanol	0.004	0.02
EQT 0036 TK-003-22	Naphthalene	0.001	<0.01
EQT 0037 TK-023-08	Naphthalene	0.002	0.01
EQT 0038 TK-023-12	Methanol	0.001	<0.01
EQT 0039 TK-174-19	Methanol	0.002	0.01
EQT 0040 TK-8101	1,3-Butadiene	<0.001	0.001
	2,2,4-Trimethylpentane	0.001	0.003
	Ammonia	0.29	1.25
	Benzene	0.01	0.06
	Biphenyl	0.01	0.05
	Cresol	0.004	0.02
	Cumene	0.003	0.01
	Dichloromethane	<0.001	<0.001
	Ethyl benzene	0.01	0.05
	Methanol	0.11	0.48
	Methyl ethyl ketone	0.01	0.03
	Naphthalene (and Methyl naphthalenes)	0.04	0.19
	Phenol	0.01	0.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
EQT 0040 TK-8101	Polynuclear Aromatic Hydrocarbons	0.01	0.04
	Toluene	0.11	0.50
	Xylene (mixed isomers)	0.09	0.41
	n-Hexane	0.002	0.01
EQT 0041 TK-8103	2,2,4-Trimethylpentane	<0.001	0.002
	Ammonia	0.13	0.57
	Benzene	0.01	0.02
	Biphenyl	<0.001	<0.001
	Chlorobenzene	<0.001	<0.001
	Cresol	<0.001	<0.001
	Cumene	<0.001	0.002
	Dichloromethane	<0.001	<0.001
	Ethyl benzene	0.001	0.01
	Hydrogen sulfide	0.001	0.01
	Methanol	<0.001	0.002
	Naphthalene (and Methyl naphthalenes)	<0.001	<0.001
	Phenol	<0.001	<0.001
	Polynuclear Aromatic Hydrocarbons	<0.001	<0.001
	Quinoline	<0.001	<0.001
	Styrene	<0.001	<0.001
	Sulfuric acid	<0.001	<0.001
	Tetrachloroethylene	<0.001	<0.001
	Toluene	0.003	0.01
	Xylene (mixed isomers)	0.004	0.02
	n-Hexane	0.03	0.12
EQT 0042 TK-ChemCK2	Naphthalene	0.002	0.001
EQT 0271 TK-174-16	Ethyl benzene	<0.001	<0.001
	Xylene (mixed isomers)	<0.001	<0.001
	n-butyl alcohol	<0.001	0.003
FUG 0003 FE-CRCK2	1,3-Butadiene	0.01	0.02
	2,2,4-Trimethylpentane	0.002	0.01
	Acetonitrile	<0.001	<0.001
	Ammonia	0.40	1.75

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
FUG 0003 FE-CRCK2	Benzene	0.10	0.43
	Biphenyl	0.02	0.08
	Carbon disulfide	<0.001	0.001
	Chlorobenzene	<0.001	<0.001
	Cresol	0.03	0.11
	Cumene	0.01	0.06
	Dichloromethane	<0.001	<0.001
	Ethyl benzene	0.07	0.30
	Hydrogen sulfide	0.15	0.67
	Methanol	0.30	1.32
	Methyl ethyl ketone	0.03	0.14
	Methyl isobutyl ketone	<0.001	0.002
	Naphthalene (and Methyl naphthalenes)	0.09	0.41
	Nickel (and compounds)	<0.001	<0.001
	Phenol	0.04	0.17
	Phosphorus, Total (as P)	<0.001	<0.001
	Quinoline	<0.001	<0.001
	Styrene	0.01	0.03
	Sulfuric acid	<0.001	0.002
	Tetrachloroethylene	<0.001	0.001
	Toluene	0.34	1.47
	Trichloroethylene	<0.001	0.001
	Xylene (mixed isomers)	0.39	1.71
	Zinc (and compounds)	<0.001	<0.001
	n-Hexane	0.19	0.81
UNF 0006 CR2CK2	1,3-Butadiene		0.02
	2,2,4-Trimethylpentane		0.02
	Acetonitrile		<0.001
	Ammonia		3.57
	Benzene		0.51
	Biphenyl		0.13
	Carbon disulfide		0.002
	Chlorobenzene		0.002

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
UNF 0006 CR2CK2	Cresol		0.13
	Cumene		0.07
	Dichloromethane		0.001
	Ethyl benzene		0.36
	Hydrogen sulfide		1.02
	Methanol		1.84
	Methyl ethyl ketone		0.17
	Methyl isobutyl ketone		0.002
	Naphthalene (and Methyl naphthalenes)		0.62
	Nickel (and compounds)		0.002
	Phenol		0.20
	Phosphorus, Total (as P)		0.001
	Polynuclear Aromatic Hydrocarbons		0.04
	Quinoline		<0.001
	Styrene		0.03
	Sulfuric acid		0.002
	Tetrachloroethylene		0.002
	Toluene		1.98
	Trichloroethylene		0.001
	Xylene (mixed isomers)		2.14
	Zinc (and compounds)		0.001
	n-Hexane		0.94
	n-butyl alcohol		0.003

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

LDEQ-EDMS Document 7733042, Page 28 of 192

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

EQT 0028 37 - No. 2 Crude Atmospheric Heater (F-7401)

1	[40 CFR 52.21]	Carbon monoxide <= 0.04 lb/MMBTU. [40 CFR 52.21, LAC 33:III.509] Which Months: All Year Statistical Basis: Annual average
2	[40 CFR 52.21]	Nitrogen oxides <= 0.035 lb/MMBTU. [40 CFR 52.21, LAC 33:III.509] Which Months: All Year Statistical Basis: Annual average
3	[40 CFR 60.104(a)(1)]	Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 162 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)] Which Months: All Year Statistical Basis: Three-hour rolling average
4	[40 CFR 60.105(a)(4)]	Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: None specified
5	[40 CFR 60.106(a)]	Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
6	[40 CFR 60.106]	Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
7	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
8	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified
9	[LAC 33:III.1503.C]	Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. Which Months: All Year Statistical Basis: Three-hour rolling average
10	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

EQT 0029 43 - No. Crude Vacuum Heater (F-7601)

11	[40 CFR 52.21]	Nitrogen oxides <= 0.1108 lb/MMBTU. [40 CFR 52.21, LAC 33:III.509] Which Months: All Year Statistical Basis: Annual average

EQT 0029 43 - No. Crude Vacuum Heater (F-7601)

12	[40 CFR 52.21]	Carbon monoxide <= 0.04 lb/MMBTU. [40 CFR 52.21, LAC 33:III.509] Which Months: All Year Statistical Basis: Annual average
13	[40 CFR 60.104(a)(1)]	Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 162 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)] Which Months: All Year Statistical Basis: Three-hour rolling average
14	[40 CFR 60.105(a)(4)]	Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: None specified
15	[40 CFR 60.106(a)]	Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
16	[40 CFR 60.106]	Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
17	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
18	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified
19	[LAC 33:III.1503.C]	Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. Which Months: All Year Statistical Basis: Three-hour rolling average
20	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

EQT 0030 60 - No. 2 Coker Heater (F-8101)

21	[40 CFR 52.21]	Carbon monoxide <= 0.04 lb/MMBTU. [40 CFR 52.21, LAC 33:III.509] Which Months: All Year Statistical Basis: Annual average
22	[40 CFR 52.21]	Nitrogen oxides <= 0.05 lb/MMBTU. [40 CFR 52.21, LAC 33:III.509] Which Months: All Year Statistical Basis: Annual average

LDEQ-EDMS Document 7733042, Page 29 of 192

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

EQT 0030 60 - No. 2 Coker Heater (F-8101)

23	[40 CFR 60.104(a)(1)]	Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 162 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)] Which Months: All Year Statistical Basis: Three-hour rolling average
24	[40 CFR 60.105(a)(4)]	Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: None specified
25	[40 CFR 60.106(a)]	Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
26	[40 CFR 60.106]	Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
27	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
28	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified
29	[LAC 33:III.1503.C]	Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. Which Months: All Year Statistical Basis: Three-hour rolling average
30	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

EQT 0031 65 - No. 2 Crude Gas Oil Heater (F-7410)

31	[40 CFR 52.21]	Carbon monoxide <= 0.04 lb/MMBTU. [40 CFR 52.21, LAC 33:III.509] Which Months: All Year Statistical Basis: Annual average
32	[40 CFR 52.21]	Nitrogen oxides <= 0.05 lb/MMBTU. [40 CFR 52.21, LAC 33:III.509] Which Months: All Year Statistical Basis: Annual average

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

EQT 0031 65 - No. 2 Crude Gas Oil Heater (F-7410)

33	[40 CFR 60.104(a)(1)]	Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) oe less than 162 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)] Which Months: All Year Statistical Basis: Three-hour rolling average
34	[40 CFR 60.105(a)(4)]	Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: None specified
35	[40 CFR 60.106(a)]	Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
36	[40 CFR 60.106]	Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
37	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
38	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified
39	[LAC 33:III.1503.C]	Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. Which Months: All Year Statistical Basis: Three-hour rolling average
40	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

EQT 0032 83b - No. 2 Coker Coke Handling/Loading

41	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average
42	[LAC 33:III.2115.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

EQT 0032 83b - No. 2 Coker Coke Handling/Loading

43	[LAC 33:III.5109.A]	Emits Class I and Class II TAP greater than the MER (facility wide) but the emissions from this source are negligible. No further control is required for MACT.

EQT 0033 C-7654 - No. 2 Crude Spent Caustic Vessel Vent

44	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average
45	[LAC 33:III.1513.C]	Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
46	[LAC 33:III.2115.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
47	[LAC 33:III.5109.A.2]	Group 2: Compliance with all the applicable reporting and recordkeeping requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A.2, 40 CFR 63.654]

EQT 0034 K-8104 - No. 2 Coker Compressor Diesel Engine

48	[40 CFR 63.6595(a)(1)]	Comply with the applicable emission limitations and operating limitations no later than May 3, 2013, for an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions. Subpart ZZZZ. [40 CFR 63.6595(a)(1)]
49	[40 CFR 63.6602]	Carbon monoxide <= 49 ppmdv at 15% oxygen. Subpart ZZZZ. Which Months: All Year Statistical Basis: Three one-hour test average
50	[40 CFR 63.6602]	Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. Subpart ZZZZ. [40 CFR 63.6602, 40 CFR 63.6625(h)]
51	[40 CFR 63.6604]	Use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel. Subpart ZZZZ.
52	[40 CFR 63.6605(a)]	Be in compliance with emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ at all times. Subpart ZZZZ. [40 CFR 63.6605(a)]
53	[40 CFR 63.6605(b)]	Operate and maintain at all times in a manner consistent with safety and good air pollution control practices for minimizing emissions. Subpart ZZZZ. [40 CFR 63.6605(b)]
54	[40 CFR 63.6620(b)]	Conduct each performance test according to the requirements specified in 40 CFR 63 Subpart ZZZZ Table 4. Subpart ZZZZ. [40 CFR 63.6620(b)]
55	[40 CFR 63.6625(g)]	Either install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals. Follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters. Subpart ZZZZ. [40 CFR 63.6625(g)]

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

EQT 0034 K-8104 - No. 2 Coker Compressor Diesel Engine

56	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
57	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average
58	[LAC 33:III.1513.C]	Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

EQT 0035 TK-003-17 - Chemical Tank 003-17

59	[40 CFR 63.2343(a)]	Keep documentation that verifies that each storage tank identified in 40 CFR 63.2343(a) is not required to be controlled. Keep documentation up-to-date (i.e., all such emission sources at a facility are identified in the documentation regardless of when the documentation was last compiled) and in a form suitable and readily available for expeditious inspection and review according to 40 CFR 63.10(b)(1), including records stored in electronic form in a separate location. Subpart EEEE. [40 CFR 63.2343(a)]
60	[LAC 33:III.2103.A]	Equip with a submerged fill pipe. Compliance with this requirement has been determined to be compliance in accordance with LAC 33:III.5109.A. [LAC 33:III.2103.A, LAC 33:III.5109.A]
61	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
62	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
63	[LAC 33:III.5109.A.2]	Compliance with all the applicable reporting and recordkeeping requirements of NESHAP, 40 CFR 63, Subpart EEEE has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.5109.A.2.

EQT 0036 TK-003-22 - Chemical Tank 003-22

64	[40 CFR 63.2343(a)]	Keep documentation that verifies that each storage tank identified in 40 CFR 63.2343(a) is not required to be controlled. Keep documentation up-to-date (i.e., all such emission sources at a facility are identified in the documentation regardless of when the documentation was last compiled) and in a form suitable and readily available for expeditious inspection and review according to 40 CFR 63.10(b)(1), including records stored in electronic form in a separate location. Subpart EEEE. [40 CFR 63.2343(a)]
65	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
66	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
67	[LAC 33:III.5109.A]	Compliance with all the applicable reporting and recordkeeping requirements of NESHAP, 40 CFR 63, Subpart EEEE has been detrmined to be compliance with all the applicable requirements in accordance with LAC 33:III.Chapter 51.

EQT 0037 TK-023-08 - Chemical Tank 023-08

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

EQT 0037 TK-023-08 - Chemical Tank 023-08

68	[40 CFR 63.2343(a)]	Keep documentation that verifies that each storage tank identified in 40 CFR 63.2343(a) is not required to be controlled. Keep documentation up-to-date (i.e., all such emission sources at a facility are identified in the documentation regardless of when the documentation was last compiled) and in a form suitable and readily available for expeditious inspection and review according to 40 CFR 63.10(b)(1), including records stored in electronic form in a separate location. Subpart EEEE. [40 CFR 63.2343(a)]
69	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
70	[LAC 33:III.5109.A]	Compliance with all the applicable reporting and recordkeeping requirements of NESHAP, 40 CFR 63, Subpart EEEE has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.Chapter 51.
71	[LAC 33:III.5109.A]	Emits Class I and Class II TAP greater than the MER (facility wide) but the emissions from this source are negligible. No further control is required for MACT.

EQT 0038 TK-023-12 - Chemical Tank 023-12

72	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
73	[LAC 33:III.5109.A]	Emits Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112 or 51.3 in the Annual Emissions Report unless exempted by LAC 33:III.5105.B.

EQT 0039 TK-174-19 - Chemical Tank 174-19

74	[40 CFR 63.2343(a)]	Keep documentation that verifies that each storage tank identified in 40 CFR 63.2343(a) is not required to be controlled. Keep documentation up-to-date (i.e., all such emission sources at a facility are identified in the documentation regardless of when the documentation was last compiled) and in a form suitable and readily available for expeditious inspection and review according to 40 CFR 63.10(b)(1), including records stored in electronic form in a separate location. Subpart EEEE. [40 CFR 63.2343(a)]
75	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
76	[LAC 33:III.5109.A]	Emits Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112 or 51.3 in the Annual Emissions Report unless exempted by LAC 33:III.5105.B.

EQT 0040 TK-8101 - No. 2 Coker Cutting Water Tank

77	[40 CFR 63.654(a)]	Group 2: 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)]
78	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
79	[LAC 33:III.5109.A]	Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been detrmined to be compliance with all the applicable requirements in accordance with LAC 33:III.Chapter 51. No additional control is required.

EQT 0041 TK-8103 - No. 2 Coker Feed Tank

EQT 0041 TK-8103 - No. 2 Coker Feed Tank

80	[40 CFR 60.112b(a)(3)]	Equip with a closed vent system and control device. Design the closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.112b(a)(3)]
81	[40 CFR 60.116b(c)]	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)]
82	[40 CFR 63.647(a)]	Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]
83	[40 CFR 63.654(a)]	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)]
84	[LAC 33:III.2103.E.1]	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. Which Months: All Year Statistical Basis: None specified
85	[LAC 33:III.2103.E]	Equipped with a vapor loss control system, capable of collecting and routing the organic vapors to an activated carbon adsorption system. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
86	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
87	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
88	[LAC 33:III.5109.A]	Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.Chapter 51.

EQT 0042 TK-ChemCK2 - Chemical Tank CK2

89	[40 CFR 63.2343(a)]	Keep documentation that verifies that each storage tank identified in 40 CFR 63.2343(a) is not required to be controlled. Keep documentation up-to-date (i.e., all such emission sources at a facility are identified in the documentation regardless of when the documentation was last compiled) and in a form suitable and readily available for expeditious inspection and review according to 40 CFR 63.10(b)(1), including records stored in electronic form in a separate location. Subpart EEEE. [40 CFR 63.2343(a)]
90	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
91	[LAC 33:III.5109.A]	Compliance with all the applicable reporting and recordkeeping requirements of NESHAP, 40 CFR 63, Subpart EEEE has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.Chapter 51.

EQT 0271 TK-174-16 - Chemical Tank 174-16

92	[40 CFR 63.2343(a)]	Keep documentation that verifies that each storage tank identified in 40 CFR 63.2343(a) is not required to be controlled. Keep documentation up-to-date (i.e., all such emission sources at a facility are identified in the documentation regardless of when the documentation was last compiled) and in a form suitable and readily available for expeditious inspection and review according to 40 CFR 63.10(b)(1), including records stored in electronic form in a separate location. Subpart EEEE. [40 CFR 63.2343(a)]
93	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

LDEQ-EDMS Document 7733042, Page 35 of 192

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

EQT 0271 TK-174-16 - Chemical Tank 174-16

94	[LAC 33:III.5109.A]	Compliance with all the applicable reporting and recordkeeping requirements of NESHAP, 40 CFR 63, Subpart EEEE has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.Chapter 51.

EQT 0272 MPV - Miscellaneous Process Vents

95	[40 CFR 63.11(b)]	Control process gas streams by flaring or combustion. [40 CFR 63.11(b), LAC 33:III.1509, LAC 33:III.5109.A, 40 CFR 63.643(a)]
96	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average

FUG 0003 FE-CRCK2 - No. 2 Crude/Coker Fugitives

97	[40 CFR 60.590-593]	Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG is considered compliance with all the applicable requirements of LAC 33:III.2121. [40 CFR 60.590-593, LAC 33:III.2121]
98	[40 CFR 60.592(a)]	Comply with the requirements of 40 CFR 60.482-1 to 482-10 as per approval letter dated March 24, 2005 by LDEQ. Subpart GGG. [40 CFR 60.592(a)]
99	[40 CFR 60.592(d)]	Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
100	[40 CFR 60.592(e)]	Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
101	[40 CFR 60.592a(a)]	Where applicable: Comply with the requirements of 40 CFR 60.482-1a to 482-10a as soon as practicable, but no later than 180 days after initial startup. Subpart GGGa. [40 CFR 60.592a(a)]
102	[40 CFR 60.592a(d)]	Where applicable: Comply with the provisions of 40 CFR 60.485a except as provided in 40 CFR 60.593a. Subpart GGGa. [40 CFR 60.592a(d)]
103	[40 CFR 60.592a(e)]	Where applicable: Comply with the provisions of 40 CFR 60.486a and 60.487a. Subpart GGGa. [40 CFR 60.592a(e)]
104	[40 CFR 60.690]	Shall comply with all the applicable requirements of NSPS, Subpart QQQ which applies to individual drain systems (process drains), catch basins and manholes associated with the No. 2 Crude/Coker Units. Subpart QQQ.
105	[40 CFR 60.692-2(a)(1)]	Equip each drain with water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(1)]
106	[40 CFR 60.692-2(a)(2)]	Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)] Which Months: All Year Statistical Basis: None specified
107	[40 CFR 60.692-2(a)(3)]	Equipment/operational data monitored by visual inspection/determination once initially and weekly thereafter. Monitor drains out of active service for indications of low water levels or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(a)(3)] Which Months: All Year Statistical Basis: None specified
108	[40 CFR 60.692-2(a)(4)]	Equipment/operational data monitored by technically sound method once initially and semiannually thereafter. Monitor the tightly sealed cap or plug over a drain that is out of service to ensure cap or plug are in place and properly installed. Subpart QQQ. [40 CFR 60.692-2(a)(4)] Which Months: All Year Statistical Basis: None specified

FUG 0003 FE-CRCK2 - No. 2 Crude/Coker Fugitives

109	[40 CFR 60.692-2(a)(5)]	Add water or make first attempts at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)]
110	[40 CFR 60.692-2(b)(1)]	Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-2(b)(1)]
111	[40 CFR 60.692-2(b)(2)]	Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)]
112	[40 CFR 60.692-2(b)(3)]	Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)] Which Months: All Year Statistical Basis: None specified
113	[40 CFR 60.692-2(b)(4)]	Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)]
114	[40 CFR 60.692-2(c)(1)]	Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)]
115	[40 CFR 60.692-2(c)(2)]	Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)] Which Months: All Year Statistical Basis: None specified
116	[40 CFR 60.692-2(c)(3)]	Sewer lines: Make repairs as soon as practicable, but not later than 15 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(c)(3)]
117	[40 CFR 60.692-2(e)]	Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(e)]
118	[40 CFR 60.696(a)]	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)]
119	[40 CFR 60.697(a)]	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)]
120	[40 CFR 60.697(b)]	Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQQ. [40 CFR 60.697(b)]
121	[40 CFR 60.697(e)]	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)]
122	[40 CFR 60.697(f)]	Retain 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)]
123	[40 CFR 60.697(g)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out of active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQQ. [40 CFR 60.697(g)]
124	[40 CFR 63.640-655]	Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.Chapter 51. [40 CFR 63.640-655, LAC 33:III.5109.A]

LDEQ-EDMS Document 7733042, Page 37 of 192

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

FUG 0003 FE-CRCK2 - No. 2 Crude/Coker Fugitives

125	[40 CFR 63.648(c)]	Comply with the requirements of 40 CFR 63.161 through 63.169, 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)]
126	[40 CFR 63.648(h)]	Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]
127	[40 CFR 63.654(d)]	Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]
128	[LAC 33:III.2111]	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.
129	[LAC 33:III.501.C.6]	The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program.

GRP 0041 HC - No. 2 Crude Heater CAP

Group Members: EQT 0028 EQT 0031

130	[LAC 33:III.507.H.1]	Permittee shall continuously monitor the heat input to the No. 2 Crude Atmospheric Heater (F-7401) and the No. 2 Crude Gas Oil Heater (F-7410). Based on the monitored heat input and individual emission factors for the heaters, the permittee shall calculate emissions for each heater. The total heat input to the heaters shall not exceed 360 MM BTU/hr (High Heating Value annual average) and the total calculated emissions from the heaters shall not exceed PM10, 11.75 tons per year (TPY); SO2, 31.53 TPY; NOx, 66.36 TPY; CO, 63.07 TPY; and VOC, 8.52 TPY. Emissions from the heaters shall be reported under an emission cap, Emission Point HC. The total heat input and the calculated emissions of the heaters shall be recorded each month, as well as the heat input and the total calculated emissions for the heaters for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total heat input and the calculated emissions from the heaters 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. A report showing the heat input to the heaters and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year Emission Points 37 and 65.

UNF 0006 CR2CK2 - No. 2 Crude/Coker

131	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

LDEQ-EDMS Document 7733042, Page 39 of 192

UNF 0006 CR2CK2 - No. 2 Crude/Coker

132	[40 CFR 61.145(b)(1)]	Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
133	[40 CFR 61.148]	Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
134	[40 CFR 61.148]	Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
135	[40 CFR 61.342(e)]	Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
136	[40 CFR 61.356(a)(4)]	Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357]
137	[40 CFR 61.]	All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
138	[40 CFR 63.642(d)(2)]	Submit Notification of the intention to conduct a performance test: Due at least 30 days before the performance test is scheduled. Subpart CC. [40 CFR 63.642(d)(2)]
139	[40 CFR 63.642(d)(3)]	Conduct performance tests according to the provisions of 40 CFR 63.7(e), except conduct performance tests at maximum representative operating capacity for the process. During the performance test, operate the control device at either maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction. Subpart CC. [40 CFR 63.642(d)(3)]
140	[40 CFR 63.642(e)]	Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
141	[40 CFR 63.642(g)]	Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]
142	[40 CFR 63.654(f)]	Submit Notification of Compliance Status: Due within 150 days after the compliance dates specified in 40 CFR 63.640(h). Include the information specified in 40 CFR 63.654(f)(1) through (f)(5). Subpart CC. [40 CFR 63.654(f)]
143	[40 CFR 63.654(g)]	Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]
144	[40 CFR 63.654(h)(1)]	Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
145	[40 CFR 63.654(h)(6)]	Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
146	[40 CFR 63.654(i)(2)]	Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]
147	[40 CFR 63.654(i)(4)]	Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]

LDEQ-EDMS Document 7733042, Page 40 of 192

UNF 0006 CR2CK2 - No. 2 Crude/Coker

148	[40 CFR 63.7884(b)(3)]	Equipment/operational data recordkeeping by electronic or hard copy once. Prepare and maintain at the facility written documentation describing the exempted site remediation, and listing the initiation and completion dates for the site remediation. Subpart GGGGG. [40 CFR 63.7884(b)(3)]
149	[40 CFR 63.7886(d)(1)]	Either submit to DEQ a written notification identifying the remediation material management units that have been selected to be exempt or permanently mark the exempt units at the facility site. If choosing to prepare and submit a written notification, include a site plan, process diagram, or other appropriate documentation identifying each of the exempt units. If choosing to permanently mark the exempt units, mark each exempt unit in such a manner that it can be readily identified as an exempt unit from the other remediation material management units located at the site. Subpart GGGGG. [40 CFR 63.7886(d)(1)]
150	[40 CFR 63.]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
151	[40 CFR 82.Subpart F]	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.
152	[LAC 33:III.1103]	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.
153	[LAC 33:III.1109.B]	Outdoor burning of waste material or other combustible material is prohibited.
154	[LAC 33:III.1303.B]	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.
155	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
156	[LAC 33:III.1509]	Control process gas streams by flaring or combustion.
157	[LAC 33:III.2113.A]	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.
158	[LAC 33:III.2139]	Control efficiency of VOC, Total >= 98 percent The Steam Jet Ejectors and Mechanical Pumps shall be controlled by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Compliance shall be determined and records shall be kept as per the requirements of LAC 33:III2115.I, J, and K.
159	[LAC 33:III.2141]	Permittee shall, during process unit turnarounds, depressurize the processing units to VOC, Total <= 5 psig before venting to the atmosphere. The vapors during depressurizing shall be controlled as per the applicable methods specified in LAC 33:III.2115.A, B, and F. Compliance shall be determined and records shall be kept as per LAC 33:III.2115.I, J, and K. Which Months: All Year Statistical Basis: None specified
160	[LAC 33:III.219]	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.
161	[LAC 33:III.2901.D]	Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

UNF 0006 CR2CK2 - No. 2 Crude/Coker

162	[LAC 33:III.2901.F]	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.
163	[LAC 33:III.5105.A.1]	Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
164	[LAC 33:III.5105.A.2]	Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
165	[LAC 33:III.5105.A.3]	Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
166	[LAC 33:III.5105.A.4]	Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
167	[LAC 33:III.5107.A.2]	Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
168	[LAC 33:III.5107.A]	Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment 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.
169	[LAC 33:III.5107.B.1]	Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
170	[LAC 33:III.5107.B.2]	Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.
171	[LAC 33:III.5107.B.3]	Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931. Submit notification in the manner provided in LAC 33:I.3923.
172	[LAC 33:III.5107.B.4]	Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
173	[LAC 33:III.5107.B.5]	Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

LDEQ-EDMS Document 7733042, Page 41 of 192

LDEQ-EDMS Document 7733042, Page 42 of 192

UNF 0006 CR2CK2 - No. 2 Crude/Coker

174	[LAC 33:III.5109.C]	Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
175	[LAC 33:III.5113.A.1]	Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
176	[LAC 33:III.5113.A.2]	Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
177	[LAC 33:III.5113.B.1]	Ensure that all testing done to determine the emission of toxic air pollutants is conducted by qualified personnel.
178	[LAC 33:III.5113.B.1]	Submit test results: Due in writing to the Office of Environmental Assessment within 45 days after completion of the test. Submit test results signed by the person responsible for the test.
179	[LAC 33:III.5113.B.2]	Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ.
180	[LAC 33:III.5113.B.3]	Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants.
181	[LAC 33:III.5113.B.4]	Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through B.4.e.
182	[LAC 33:III.5113.B.5]	Analyze samples and determine emissions within 30 days after each emission test has been completed.
183	[LAC 33:III.5113.B.5]	Submit certified letter: Due to the Office of Environmental Assessment before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.
184	[LAC 33:III.5113.B.6]	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.
185	[LAC 33:III.5113.B.7]	Submit notification: Due to the Office of Environmental Assessment at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.
186	[LAC 33:III.5113.C.1]	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.
187	[LAC 33:III.5113.C.5.d]	Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters.
188	[LAC 33:III.5113.C.5.e]	Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii.
189	[LAC 33:III.5113.C.7]	Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
190	[LAC 33:III.5151.F.1.f]	An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.

UNF 0006 CR2CK2 - No. 2 Crude/Coker

191	[LAC 33:III.535]	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
192	[LAC 33:III.5609.A.1.b]	Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
193	[LAC 33:III.5609.A.2.b]	Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
194	[LAC 33:III.5609.A.3.b]	Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
195	[LAC 33:III.5609.A]	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.
196	[LAC 33:III.5611.A]	Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
197	[LAC 33:III.5611.B]	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.
198	[LAC 33:III.5901.A]	Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
199	[LAC 33:III.5907]	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.
200	[LAC 33:III.5911.A]	Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division.
201	[LAC 33:III.5911.C]	Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate.
202	[LAC 33:III.905]	Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.
203	[LAC 33:III.913]	Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits.
204	[LAC 33:III.917.A]	Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations.
205	[LAC 33:III.917.B]	No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.
206	[LAC 33:III.919.D]	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, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
207	[LAC 33:III.921]	Permittee shall comply with all the applicable requirements for the stack height as specified in LAC 33:III.921.

LDEQ-EDMS Document 7733042, Page 43 of 192

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20100027
Permit Number: 2933-V4
Air - Title V Regular Permit Renewal

UNF 0006 CR2CK2 - No. 2 Crude/Coker

208	[LAC 33:III.927]	Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
209	[LAC 33:III.929.A]	No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.

LDEQ-EDMS Document 7733042, Page 44 of 192