BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.:

Agency Interest No. 286
Activity No. PER20090001

Mr. D. L. Schuessler
Site Manager
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
P.O. Box 241
Baton Rouge, LA 70821-0241

RE: Part 70 Operating Permit Renewal and Modification, Phthalic Anhydride (PALA) Unit, Baton Rouge Chemical Plant, ExxonMobil Chemical Company, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Schuessler:

This is to inform you that the Part 70 operating permit renewal for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the application submitted and the approval in no way relieves of the applicant of the obligation to comply with all applicable requirements.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not 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 _____, 2014, 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 cited below and Agency Interest No. 286 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 _____, 2009

Permit No.: 1200-V3

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN:CXL
cc: EPA Region VI

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

Phthalic Anhydride (PALA) Unit
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

I. BACKGROUND

ExxonMobil Chemical Company (ExxonMobil) owns and operates a chemical manufacturing complex, the Baton Rouge Chemical Plant (BRCP). The Phthalic Anhydride (PALA) Unit currently operates under Permit No. 1200-V2, issued on July 16, 2004 and PSD-LA-221(M-1), issued on September 25, 1995.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ), dated January 16, 2009, was submitted requesting a renewal of the Part 70 operating permit for the PALA Unit.

III. DESCRIPTION

Ortho-xylene (o-xylene) is fed to the PALA Unit from tankage to the reactor section. The o-xylene is reacted with air in the catalyst packed reactor tubes to produce crude phthalic anhydride (PAN). The crude PAN is recovered in a series of switch condensers. Excess organic vapors from the reactor section are combusted in thermal oxidizers.

The crude PAN is then reheated and pumped to the finishing section where first any phthalic acid is converted to phthalic anhydride under a slight vacuum. The crude PAN is then purified through a series of two towers where light and heavy impurities are removed. The finished PAN product is stored in tankage and can be either utilized as feedstock on-site or loaded into railcars or trucks and sold.

Project Description

There is no project associated with this renewal. Updated information is being incorporated into this renewal including:

- Update the General Condition XVII and insignificant activities lists.
- Revise the regulatory applicability for T-157 based on updated vapor pressure calculations.
- Remove the Emission Point No. V-439(PALA Steam Condensate System) from this permit. Emissions associated with source have been permitted under Emission Point No. V-469(RLP0156, Aromatics Unit Condensate System) in Aromatics Permit No. 2299-V4.

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Estimated emissions from the PALA unit in tons per year are as follows:

Pollutant	Permitted	Proposed	Change
PM_{10}	55.48	55.48	-
SO_2	1498.01	1498.01	-
NO_X	34.78	34.78	-
CO	6072.68	6072.68	-
VOC	109.44	110.47	+1.03

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

Pollutant	Permitted	Proposed	Change
Benzene	0.05	0.02	-0.03
Ethylene glycol	0.04	0.04	-
Maleic anhydride	40.29	40.29	-
Phthalic anhydride	79.76	81.28	+1.52
Toluene	0.07	0.01	-0.06
Xylene (mixed isomers)	2.85	2.32	-0.53
Ammonia	0.20	0.20	-
Hydrogen Sulfide	0.42	0.35	-0.07
Sulfuric Acid	59.93	59.92	-0.01

IV. TYPE OF REVIEW

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) review does not apply.

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

V. CREDIBLE EVIDENCE

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable

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

VI. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, Louisiana on October XX, 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on October XX, 2009. The draft permit was also submitted to US EPA Region VI. XX comment was received.

VII. Effects on Ambient Air

Emissions were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. The proposed project did not require the applicant to model emissions.

VIII. General Condition XVII Activities

		Emission Rates – TPY					
Work Activity	Schedule	PM_{10}	SO_2	NO_x	CO	VOC	Other
Sampling Emissions	From 1/day to 1/week	-	-	-	<0.01	0.64	
Equipment and Analyzer Preparation & Swaps	Varies based on need and equipment	-	<0.01		-	3.3	
P/V & Safety Valve Servicing	Each valve: 1/yr	-	-	-	-	0.16	
Tank Gauging & Inspections	From 1/month-1/week to 4 tanks/yr	-	-	-	-	0.15	
Catalyst Handling	Approx. 1/yr	0.08	-	0.001	1.14	1.56	
Condenser Maintenance	Approx. 1/yr	-	-	-	-	0.83	
Turnaround Activities	Once every 2 yrs	1.6	0.01	-	-	3.31	
Chemical Cleaning	0-2 times/yr	-	-	-	-	4.92	

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		Emission Rates – TPY					
Work Activity	Schedule	PM_{10}	SO_2	NO_x	CO	VOC	Other
PAN Recovery Railcar	35 days/yr	-	-	-	-	<0.01	
PAN Unloading	Up to 400/yr	-	-	-	-	0.20	
Coldbox Cleaning	Every 2 weeks	-	-	-	-	0.23	

IX. Insignificant Activities

ID No.:	Description	Physical/Operating Data	Citation
V-438	PALA Analyzer Vents	8760 hr/yr	LAC 33:III.501.B.5.A.9.

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Phthalic Anhydride (PALA) Unit
Agency Interest No. 286
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

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

ID No.:	Description	LAC 33:III.Chapter																	
		5[1]	9	11	13	15	2103	2107	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*
UNF0011	PALA UNIT	1	1	1	1											1	1	1	1
EQT0956	C-13B - POX COOLING TOWER (PALA EMISSIONS)															3			
EQT0957	M-01G - PRODUCT LOADING - TANK TRUCKS/RAIL CARS							3								1			
EQT0958	M-62 - SECONDARY WASTEWATER EMISSIONS (PALA)													3		3			
EQT0959	S-113 - PALA F-1 STARTUP HEATER VENT			1	1	3									2	2			
CON0081	S-69 - PALA F-5 THERMAL OXIDIZER			1		1				3		2				1			
CON0082	S-70 - PALA F-6 THERMAL OXIDIZER			1		1				3		2				1			
EQT0960	T-1300 - O-XYLENE STORAGE TANK						3									1			
EQT0961	T-152 - PAN STORAGE TANK						3									1			
EQT0962	T-153 - PAN STORAGE TANK						3									1			
EQT0963	T-154 - PAN STORAGE TANK						3									1			
EQT0964	T-155 - PAN STORAGE TANK						3									1			
EQT0965	T-156 - CRUDE PAN STORAGE TANK						3									1			
EQT0966	T-157 - PAN STORAGETANK						3									1			

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		5[1]	9	11	13	15	2103	2107	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*
EQT0967	T-3089 - D-4X PAN RESIDUE DRUM						3									1			
EQT0968	T-3090 - OIL DRUMS(D-9, D-9A, D-10)						3									3			
EQT0969	T-3091 - PALA D-12 DRUM						3									3			
EQT0970	T-3095 - D-100 CHILLED WATER DRUM						3									3			
EQT0971	T-681 - O-XYLENE STORAGE TANK						3									1			
FUG0062	U-30 - PALA FUGITIVE EMISSIONS								1		1					1			
RLP0173	V-228 - PALA TANK SUMP HEATER VENTS									3						3			
RLP1202	T-3088A - CRUDE PRODUCT DRUM D-2A															1			
RLP1203	T-3088B - CRUDE PRODUCT DRUM D-2B															1			
RLP1204	V-208 - T-1 OVERHEAD VENT											3	3			3			
RLP1205	V-209 – T-2 OVERHEAD VENT											3	3			3			
RLP1206	V-354 – PALA REACTOR SYSTEM VENTS															1			
RLP1207	V-440A – PREDECOMPOSER D-3A											3	3			3			
RLP1208	V-440B – PREDECOMPOSER D-3B											3	3			3			

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*The regulations indicated above are State Only regulations.
[1]LAC 33:III.501.C.6 citations are federally enforceable except when it specifically states that the regulation is State Only.

KEY TO MATRIX

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

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

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

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

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

ID No.	Description	40 CFR 60 NSPS								40 CFR 61			40 CFR 63 NESHAP									40 CFR		
		A	Db	Kb	GG	VV	NNN	QQQ	RRR	A	J&V	FF	A	F&G	H	XX	YY	Q	FFFF	DDDDD	GGGGG	64	68	70
UNF0011	PALA UNIT	1											1		1									
EQT0956	C-13B - POX COOLING TOWER (PALA EMISSIONS)													3				3						
EQT0957	M-01G - PRODUCT LOADING - TANK TRUCKS/RAIL CARS													1										
EQT0958	M-62 - SECONDARY WASTEWATER EMISSIONS (PALA)													3										
EQT0959	S-113 - PALA F-1 STARTUP HEATER VENT		3																					
CON0081	S-69 - PALA F-5 THERMAL OXIDIZER													1										
CON0082	S-70 - PALA F-6 THERMAL OXIDIZER													1										
EQT0960	T-1300 - O-XYLENE STORAGE TANK			3										1										
EQT0961	T-152 - PAN STORAGE TANK			3										1										
EQT0962	T-153 - PAN STORAGE TANK			3										1										
EQT0963	T-154 - PAN STORAGE TANK			3										1										
EQT0964	T-155 - PAN STORAGE TANK			3										1										

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		A	Db	Kb	GG	VV	NNN	QQQ	RRR	A	J&V	FF	A	F&G	H	XX	YY	Q	FFFF	DDDDD	GGGGG	64	68	70
EQT0965	T-156 - CRUDE PAN STORAGE TANK			3										1										
EQT0966	T-157 - PAN STORAGETANK			3										1										
EQT0967	T-3089 - D-4X PAN RESIDUE DRUM			3										3	1									
EQT0968	T-3090 - OIL DRUMS(D-9, D-9A, D-10)			3										3	1									
EQT0969	T-3091 - PALA D-12 DRUM			3										3	1									
EQT0970	T-3095 - D-100 CHILLED WATER DRUM			3										3										
EQT0971	T-681 - O-XYLENE STORAGE TANK			3										1										
FUG0062	U-30 - PALA FUGITIVE EMISSIONS					1									1									
RLP0173	V-228 - PALA TANK SUMP HEATER VENTS													3										
RLP1202	T-3088A - CRUDE PRODUCT DRUM D-2A			3										3	1									
RLP1203	T-3088B - CRUDE PRODUCT DRUM D-2B			3										3	1									
RLP1204	V-208 - T-1 OVERHEAD VENT						3							3										
RLP1205	V-209 – T-2 OVERHEAD VENT						3							3										

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		A	Db	Kb	GG	VV	NNN	QQQ	RRR	A	J&V	FF	A	F&G	H	XX	YY	Q	FFFF	DDDDD	GGGGG	64	68	70
RLP1206	V-354 – PALA REACTOR SYSTEM VENTS													1								1		
RLP1207	V-440A – PREDECOMPOSER D-3A						3							3										
RLP1208	V-440B – PREDECOMPOSER D-3B						3							3										

* U-47G is the fugitive components for the ACLA loading rack. The loading rack is subject to HON because other HON units load products at that transfer rack. U-94 has previously been subject to 40 CFR 63 Subpart H for MEK, BRCP decided to continue to monitor per those requirements.

KEY TO MATRIX

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

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

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

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

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

ID No:	Requirement	Notes
EQT0956 C-13B	NESHAP for Source Categories Subpart F - Heat Exchange System Requirements [40 CFR 63.100(b)]	DOES NOT APPLY. This re-circulating heat exchange system is not used to cool any process fluids containing any of the hazardous air pollutants listed in Table 4.
	NESHAP for Source Categories Subpart Q - Chromium Emissions from Industrial Process Cooling Towers (IPCT) [40 CFR Part 63.400(a)]	DOES NOT APPLY. No water treatment programs using chromium or chromium compounds at the IPCT.
	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109]	DOES NOT APPLY. This source does not contain TAPs.
EQT0957 M-01G	Control of Emissions of Volatile Organic Compounds - Loading [LAC 33:III.2107.A]	DOES NOT APPLY. VOC in materials loaded have a true vapor pressure <1.5 psia at loading conditions.
EQT0958 M-62	NESHAP for Source Categories Subpart F and G - Process Wastewater Provisions [40 CFR 63.101(b)]	DOES NOT APPLY. Does not meet the definition of wastewater. Does not contain any Table 9 compounds.
	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.A]	DO NOT APPLY. Does not meet the definition of affected VOC wastewater. As determined in accordance with Subsection H, the respective VOC concentrations and flowrates are less than the de minimis level in the definition of "affected volatile organic compounds wastewater".
	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109.A]	DOES NOT APPLY. This source does not emit TAPs.

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

ID No:	Requirement	Notes
EQT0959 S-113	NSPS Subpart Db - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60.40b(a)]	DOES NOT APPLY. This source does not meet the definition of a steam generating unit.
	Emission Standards for Sulfur Dioxide-Emission Limitations [LAC 33:III.1502.A.3]	DOES NOT APPLY. Source emits less than 5 TPY of sulfur dioxide to the atmosphere.
	Control of Emissions of Nitrogen Oxides (NOx) in the Baton Rouge Nonattainment Area and the Region of Influence [LAC 33:III.2201.C.1]	EXEMPT. Maximum rated capacity of the heater is < 40 MMBTU/hr.
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.3]	EXEMPT. Combustion of Group 1 virgin fossil fuels.
CON0081 S-69 CON0082 S-70	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. This regulation does not apply to any waste gas stream that is required by another federal or state regulation to implement controls that reduce VOCs to a more stringent standard than would be required by this section. These sources are the control devices for EIQ # V-354 (RLP1206) in this permit.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.g]	EXEMPT. Any reactor process or distillation operation that is subject to the SOCMI HON, NSPS Subpart NNN, or NSPS Subpart RRR is not subject to the provisions of LAC 33:III.2147.

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

ID No:	Requirement	Notes
EQT0960 T-1300 EQT0961 T-152 EQT0962 T-153 EQT0963 T-154 EQT0964 T-156 EQT0966 T-157 EQT0971 T-681	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. No construction, reconstruction, or modification after July 23, 1984.
	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103.A., B]	EXEMPT. Storage vessels storing VOC with true vapor pressure <1.5 psia are exempt from the provisions of this section except for documentation of the maximum true vapor pressure as noted in LAC 33:III.2103.H.3 and I.4.
EQT0964 T-155	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 63.110(b)(1) and 40 CFR 60.112b(a)]	DOES NOT APPLY. A storage vessel classified as Group 1 or Group 2 under NESHAP Part 63 (SOCMI HON) Subpart G - Storage Vessel Provisions that is also subject to NSPS Subpart Kb is required to comply only with the provisions of the HON.
	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103.A&B]	EXEMPT. Storage vessels storing VOC with true vapor pressure <1.5 psia are exempt from the provisions of this section except for documentation of the maximum true vapor pressure as noted in LAC 33:III.2103.H.3 and I.4.
RLP1202 T-3088A RLP1203 T-3088B EQT0967 T-3089 EQT0968 T-3090 EQT0969 T-3091	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. Storage vessel has capacity <19,812 gallons (40 cubic meters).
	NESHAP for Source Categories Subpart F and G - Storage Vessel Provisions [40 CFR 63.101]	DOES NOT APPLY. Definition of storage vessel does not include surge control vessels and bottoms receiver tanks.
	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103.A., B]	EXEMPT. Storage vessels storing VOC with true vapor pressure <1.5 psia are exempt from the provisions of this section except for documentation of the maximum true vapor pressure as noted in LAC 33:III.2103.H.3 and I.4.
EQT0968 T-3090 EQT0969 T-3091	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109.A]	DOES NOT APPLY. This source does not emit TAPs.

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

ID No:	Requirement	Notes
EQT0965 T-3095	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. Storage vessel has capacity <75 m^3.
	NESHAP for Source Categories Subpart F and G - Storage Vessel Provisions [40 CFR 63.101(b)]	DOES NOT APPLY. Does not meet the definition of a storage vessel. Storage vessel has capacity <75 m^3.
	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Container has a capacity of less than 250 gallons.
RLP1204 V-208 RLP1205 V-209 RLP1207 V-440A RLP1208 V-440B	NSPS Subpart NNN - SOCMI Distillation Operations [40 CFR 60.661]	DOES NOT APPLY. Does not meet the definition of a vent stream.
	NESHAP for Source Categories Subparts F and G - Process Vent Provisions [40 CFR 63.101]	DOES NOT APPLY. Does not meet the definition of a process vent. Vent stream does not exit the distillation unit.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.B]	DOES NOT APPLY. Does not meet the definition of a vent stream. There is no discharge to the atmosphere.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from Batch Processing [LAC 33:III.2149.A,B]	DOES NOT APPLY. Does not meet the definition of a batch process.
	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109.A]	DOES NOT APPLY. This source does not emit TAPs.

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

Phthalic Anhydride (PALA) Unit
Agency Interest No. 286
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

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

ID No:	Requirement	Notes
RLP0173 V-228	NESHAP for Source Categories Subparts F and G - Process Vent Provisions [40 CFR 63.101]	DOES NOT APPLY. Does not meet the definition of a process vent. Not discharged from an air oxidation reactor, other reactor, or distillation unit.
	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III.2115.H.1.c]	EXEMPT. The waste gas stream has a combined weight of VOC <= 100 lbs in any continuous 24-hr period. Records must be kept to demonstrate exempt status.
	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109.A]	DOES NOT APPLY. This source does not emit TAPs.

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

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

Phthalic Anhydride (PALA) Unit
Agency Interest No. 286
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 3: EQUIPMENT LIST

EMISSION ID	DESCRIPTION	NOTES
RLP1202 T-3088A	CRUDE PRODUCT DRUM D-2A	This surge control vessel has no normal emissions to the atmosphere. The vapors from this vessel are routed to the waste gas header for combustion in the F5/F6 Thermal Oxidizers.
RLP1203T-3088B	CRUDE PRODUCT DRUM D-2B	This surge control vessel has no normal emissions to the atmosphere. The vapors from this vessel are routed to the waste gas header for combustion in the F5/F6 Thermal Oxidizers.
RLP1204 V-208	T-1 OVERHEAD VENT	The vent stream from the overhead of this tower is routed to the ejectors where it is completely condensed. Therefore, there are no emissions from this tower.
RLP1205 V-209	T-2 OVERHEAD VENT	The vent stream from the overhead of this tower is routed to the ejectors where it is completely condensed. Therefore, there are no emissions from this tower.
RLP1206 V-354	PALA REACTOR SYSTEM VENTS	This vent has no normal emissions to the atmosphere. The vapors from this vent are routed to the F5/F6 Thermal Oxidizers for combustion.
RLP1207 V-440A	PREDECOMPOSER D-3A	This source has no normal emissions to the atmosphere. The vapors are routed to the EX-7 Vent Condenser. The EX-7 and injector system completely condenses the vent stream.
RLP1208 V-440B	PREDECOMPOSER D-3B	This source has no normal emissions to the atmosphere. The vapors are routed to the EX-7 Vent Condenser. The EX-7 and injector system completely condenses the vent stream.
T-152, 153, 154, 155, 157, N	PAN STORAGE TANKS, NORMAL OPERATING SCENARIO	Tank vents are routed to the E-26 A/B condensers for recovery.
T-152, 153, 154, 155, 157, A	PAN STORAGE TANKS, NORMAL OPERATING SCENARIO	The Cold Boxes are the alternate control device. They are used in the event the E-26 A/B condensers are down.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPENDIX A: PART 70 SPECIFIC CONDITIONS

Phthalic Anhydride (PALA) Unit
Agency Interest No. 286
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

   a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.

   b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters.

   c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods January 1 through June 30, and July 1, through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
U-30	40 CFR 63 Subpart H-HON LA Non-HON MACT 40 CFR 60 Subpart VV LAC 33:III.2122	5% VOHAP 5% VOTAP 10% VOC 10% VOC	40 CFR 63 Subpart H-HON

2. Maximum Allowable Emission Rates [PSD-LA-221(M-1) Specific Condition No. 1]

Emission Point	Description	Operating Rate	Units	SO_2	CO
S-69	PALA F-5 Thermal Oxidizer	140 MM BTU/hr	lb/hr TPY	380 749	693.2 3,036
S-70	PALA F-6 Thermal Oxidizer	140 MM BTU/hr	lb/hr TPY	380 749	693.2 3,036

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPENDIX A: PART 70 SPECIFIC CONDITIONS

Phthalic Anhydride (PALA) Unit
Agency Interest No. 286
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

3. Permittee shall demonstrate compliance with the SO_2 emission limits of this permit by installing, operating, and maintaining a continuous emissions monitoring system (CEMS) to monitor and record the SO_2 concentration in the gases discharged into the atmosphere from the PALA F-5 and F-6 Thermal Oxidizers, Emission Points S-69 and S-70 respectively, in accordance with 40 CFR 60, Appendix B – Performance Specification 2, and Appendix F – Quality Assurance Procedures. [PSD-LA-221(M-1) Specific Condition No. 3]

4. Permittee shall demonstrate compliance with the CO emission limits of this permit by installing, operating, and maintaining a continuous emissions monitoring system (CEMS) to monitor and record the CO concentration in the gases discharged into the atmosphere from the PALA F-5 and F-6 Thermal Oxidizers, Emission Points S-69 and S-70 respectively, in accordance with 40 CFR 60, Appendix B – Performance Specification 2, and Appendix F – Quality Assurance Procedures. [PSD-LA-221(M-1) Specific Condition No. 4]

5. In the event of the shutdown or malfunction of either of the PALA F-5 or F-6 Thermal Oxidizers, Emission Points S-69 and S-70 respectively, BRCP shall divert POX acid gas to the operating Thermal Oxidizer. Feed to the PALA reactors will be reduced to approximately 41% of normal production and then diverted to the operating Thermal Oxidizer.

   In the event of the shutdown or malfunction of both of the PALA F-5 and F-6 Thermal Oxidizers, Emission Points S-69 and S-70 respectively, BRCP shall shut down the PALA unit in a safe manner. The PALA unit shall not be returned to service until repairs to the thermal oxidizers are completed and correct operation is verified. [PSD-LA-221(M-1) Specific Condition No. 5]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ONLY SPECIFIC CONDITIONS

Phthalic Anhydride (PALA) Unit
Agency Interest No. 286
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

1. The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the Department 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 emissions components themselves;

   b. The changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than the piping components;

   d. Actual emissions following the changes will not exceed the emission limits contained in this permit; and

   e. The components are promptly incorporated into any applicable leak detection and repair program.

2. For the thermal oxidizers F-5 & F-6 (Emission Points S-69 and S-70), the combined VOC emissions shall be limited to no more than 95.4 TPY (VOC Emission Cap, Emission Point No. S-220). The VOC emissions from each of the thermal oxidizers are continuously calculated as an hourly rolling average by the TDC computing system at the PALA unit. The total VOC emissions shall be recorded each month, as well as the total VOC emissions for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. VOC emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER20090001
Permit Number: 1200-V3
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
PALA UNIT						
CON 0081	S-69 - PALA F-5 THERMAL OXIDIZER			140 MM BTU/hr		8760 hr/yr
CON 0082	S-70 - PALA F-6 THERMAL OXIDIZER			140 MM BTU/hr		8760 hr/yr
EQT 0956	C-13B - POX COOLING TOWER (PALA)			354 gallons/min		8760 hr/yr
EQT 0957	M-01G - PRODUCT LOADING - TANK TRUCKS/RAIL CARS					8760 hr/yr
EQT 0958	M-62 - SECONDARY WASTEWATER EMISSIONS (PALA)					8760 hr/yr
EQT 0959	S-113 - PALA F-1 STARTUP HEATER		23.5 MM BTU/hr	23.5 MM BTU/hr		384 hr/yr
EQT 0960	T-1300 - O-XYLENE STORAGE TANK	1.18 million gallons				8760 hr/yr
EQT 0961	T-152 - PAN STORAGE TANK	48000 gallons				8760 hr/yr
EQT 0962	T-153 - PAN STORAGE TANK	48000 gallons				8760 hr/yr
EQT 0963	T-154 - PAN STORAGE TANK	94000 gallons				8760 hr/yr
EQT 0964	T-155 - PAN STORAGE TANK	241000 gallons				8760 hr/yr
EQT 0965	T-156 - CRUDE PAN STORAGE TANK	475000 gallons				8760 hr/yr
EQT 0966	T-157 - PAN STORAGE TANK	475000 gallons				8760 hr/yr
EQT 0967	T-3089 - D-4X PAN RESIDUE DRUM	11750 gallons				8760 hr/yr
EQT 0968	T-3090 - OIL DRUMS(D-9, D-9A, D-10)	15470 gallons				8760 hr/yr
EQT 0969	T-3091 - PALA D-12 DRUM	640 gallons				8760 hr/yr
EQT 0970	T-3095 - D-100 CHILLED WATER DRUM	220 gallons				8760 hr/yr
EQT 0971	T-681 - O-XYLENE STORAGE TANK	1.14 million gallons				8760 hr/yr
FUG 0062	U-30 - PALA FUGITIVE EMISSIONS					8760 hr/yr
RLP 1173	V-228 - PALA TANK SUMP HEATER VENTS					8760 hr/yr
RLP 1202	T-3088A - CRUDE PRODUCT DRUM D-2A	3948 gallons				(None Specified)
RLP 1203	T-3088B - CRUDE PRODUCT DRUM D-2B	3948 gallons				(None Specified)
RLP 1204	V-208 - T-1 OVERHEAD VENT					(None Specified)
RLP 1205	V-209 - T-2 OVERHEAD VENT					(None Specified)
RLP 1206	V-354 - PALA REACTOR SYSTEM VENTS					(None Specified)
RLP 1207	V-440A - PREDECOMPOSER D-3A					(None Specified)
RLP 1208	V-440B - PREDECOMPOSER D-3B					(None Specified)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
PALA UNIT							
CON 0081	S-69 - PALA F-5 THERMAL OXIDIZER	24.51	34921	5.5		250	474
CON 0082	S-70 - PALA F-6 THERMAL OXIDIZER	23.32	33227	5.5		250	478
EQT 0956	C-13B - POX COOLING TOWER (PALA)	29		21		28	
EQT 0959	S-113 - PALA F-1 STARTUP HEATER	53.6	12775	2.25		77	379

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INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER20090001
Permit Number: 1200-V3
Air - Title V Regular Permit Renewal

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
PALA UNIT							
EQT 0960	T-1300 - O-XYLENE STORAGE TANK			60		56	
EQT 0961	T-152 - PAN STORAGE TANK			16		32	
EQT 0962	T-153 - PAN STORAGE TANK			32		16	
EQT 0963	T-154 - PAN STORAGE TANK			20		40	
EQT 0964	T-155 - PAN STORAGE TANK			32		40	
EQT 0965	T-156 - CRUDE PAN STORAGE TANK			38		56	
EQT 0966	T-157 - PAN STORAGE TANK			38		56	
EQT 0967	T-3089 - D-4X PAN RESIDUE DRUM	1	1	10		12	300
EQT 0969	T-3091 - PALA D-12 DRUM	3.8	45	4.55		5.25	150
EQT 0970	T-3095 - D-100 CHILLED WATER DRUM			2.5		6	
EQT 0971	T-681 - O-XYLENE STORAGE TANK			60		54	

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
GRP 0165	Equipment Group	S-220 - PALA THERMAL OXIDIZERS CAP
UNF 0011	Unit or Facility Wide	EXXONMOBIL BRCP - PALA UNIT

Group Membership:

ID	Description	Member of Groups
CON 0081	S-69 - PALA F-5 THERMAL OXIDIZER	GRP0000000165
CON 0082	S-70 - PALA F-6 THERMAL OXIDIZER	GRP0000000165

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
0690	0690 Chemical and Chemical Prep. N.E.C. (Rated Capacity)	302	MM lbs/yr

SIC Codes:

2899	Chemical preparations, nec	UNF 011

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER20090001
Permit Number: 1200-V3
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
PALA UNIT															
CON 0081 S-69	693.2	2000	3036	3.9	9.16	17.17	6.3	29.78	27.7	171	380	749	21.20	242	92.9
CON 0082 S-70	693.2	2000	3036	3.9	9.16	17.17	6.3	29.78	27.7	171	380	749	21.20	242	92.9
EQT 0956 C-13B							0.01	0.10	0.05				0.02		0.07
EQT 0957 M-01G													32.66	68.94	3.25
EQT 0958 M-62													0.002		<0.01
EQT 0959 S-113	1.94	1.94	0.37	2.30	2.30	0.44	0.18	0.18	0.03	0.01	0.10	<0.01	0.13	0.13	0.02
EQT 0960 T-1300													0.21		0.94
EQT 0961 T-152													0.16		0.71
EQT 0962 T-153													0.16		0.71
EQT 0963 T-154													0.19		0.85
EQT 0964 T-155													0.38		1.67
EQT 0965 T-156													0.07		0.30
EQT 0966 T-157													0.29		1.26
EQT 0967 T-3089													0.02		0.10
EQT 0968 T-3090													0.14		0.60
EQT 0969 T-3091													0.002		<0.01
EQT 0970 T-3095													0.002		<0.01
EQT 0971 T-681													0.21		0.93
FUG 0062 U-30	0.07		0.31										0.82		3.61
GRP 0165 S-220													21.8		95.4
RLP 1173 V-228													0.002	0.10	<0.01

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

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER20090001
Permit Number: 1200-V3
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
CON 0081 S-69	Ammonia	0.02	0.43	0.10
	Hydrogen sulfide	0.04	32.13	0.17
	Maleic anhydride		148	
	Phthalic Anhydride		62	
	Sulfuric acid	6.84	19	29.96
CON 0082 S-70	Ammonia	0.02	0.43	0.10
	Hydrogen sulfide	0.04	32.13	0.17
	Maleic anhydride		148	
	Phthalic Anhydride		62	
	Sulfuric acid	6.84	19	29.96
EQT 0957 M-01G	Maleic anhydride	2.07	2.07	0.05
	Phthalic Anhydride	29.37	65.66	3.17
EQT 0960 T-1300	Xylene (mixed isomers)	0.21		0.94
EQT 0961 T-152	Phthalic Anhydride	0.16		0.71
EQT 0962 T-153	Phthalic Anhydride	0.16		0.71
EQT 0963 T-154	Phthalic Anhydride	0.19		0.85
EQT 0964 T-155	Maleic anhydride	0.02		0.09
	Phthalic Anhydride	0.38		1.67
EQT 0965 T-156	Maleic anhydride	0.01		0.05
	Phthalic Anhydride	0.06		0.25
EQT 0966 T-157	Phthalic Anhydride	0.29		1.26
EQT 0967 T-3089	Maleic anhydride	0.01		0.02
	Phthalic Anhydride	0.02		0.07
EQT 0970 T-3095	Ethylene glycol	0.002		<0.01
EQT 0971 T-681	Xylene (mixed isomers)	0.21		0.93
FUG 0062 U-30	Ethylene glycol	0.01		0.03
	Hydrogen sulfide	0.002		<0.01
	Maleic anhydride	0.002		0.01
	Phthalic Anhydride	0.24		1.04
	Xylene (mixed isomers)	0.10		0.44
GRP 0165 S-220	Maleic anhydride	9.10		40.07
	Phthalic Anhydride	16.3		71.55
UNF 0011 EXXONMOBIL BRCP	Ammonia			0.20

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER20090001
Permit Number: 1200-V3
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0011 EXXONMOBIL BRCP	Benzene			0.02
	Ethylene glycol			0.04
	Hydrochloric acid			46.83
	Hydrogen sulfide			0.35
	Maleic anhydride			40.29
	Phthalic Anhydride			81.28
	Sulfuric acid			59.92
	Toluene			0.01
	Xylene (mixed isomers)			2.32

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.

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER20090001
Permit Number: 1200-V3
Air - Title V Regular Permit Renewal

CON 0081 S-69 - PALA F-5 THERMAL OXIDIZER

1	[40 CFR 63.113(a)(2)]	Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)] Which Months: All Year Statistical Basis: None specified
2	[40 CFR 63.114(a)(1)]	Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)] Which Months: All Year Statistical Basis: None specified
3	[40 CFR 63.116(c)]	Conduct a performance test using the procedures in 40 CFR 63.116(c)(1) through (c)(4). Subpart G. [40 CFR 63.116(c)]
4	[40 CFR 63.117(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
5	[40 CFR 63.118(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]
6	[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
7	[LAC 33:III.1503.C]	Sulfur dioxide <= 2000 ppmv at standard conditions. Which Months: All Year Statistical Basis: Three-hour average
8	[LAC 33:III.1511.A]	Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as specified in LAC 33:III.1511.C and 1511.D. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60 Appendix B, and quality assured by the procedures in 40 CFR 60 Appendix F. Which Months: All Year Statistical Basis: None specified
9	[LAC 33:III.1513.A.1]	Sulfur dioxide recordkeeping by continuous emission monitor (CEM) continuously.
10	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

CON 0082 S-70 - PALA F-6 THERMAL OXIDIZER

11	[40 CFR 63.113(a)(2)]	Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)] Which Months: All Year Statistical Basis: None specified
12	[40 CFR 63.114(a)(1)]	Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)] Which Months: All Year Statistical Basis: None specified
13	[40 CFR 63.116(c)]	Conduct a performance test using the procedures in 40 CFR 63.116(c)(1) through (c)(4). Subpart G. [40 CFR 63.116(c)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER20090001
Permit Number: 1200-V3
Air - Title V Regular Permit Renewal

CON 0082 S-70 - PALA F-6 THERMAL OXIDIZER

14	[40 CFR 63.117(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
15	[40 CFR 63.118(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]
16	[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
17	[LAC 33:III.1503.C]	Sulfur dioxide <= 2000 ppmv at standard conditions. Which Months: All Year Statistical Basis: Three-hour average
18	[LAC 33:III.1511.A]	Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as specified in LAC 33:III.1511.C and 1511.D. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60 Appendix B, and quality assured by the procedures in 40 CFR 60 Appendix F. Which Months: All Year Statistical Basis: None specified
19	[LAC 33:III.1513.A.1]	Sulfur dioxide recordkeeping by continuous emission monitor (CEM) continuously.
20	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

EQT 0957 M-01G - PRODUCT LOADING - TANK TRUCKS/RAIL CARS

21	[40 CFR 63.130(f)]	Equipment/operational data recordkeeping by electronic or hard copy annually. Keep records of the information specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]
22	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

EQT 0959 S-113 - PALA F-1 STARTUP HEATER

23	[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
24	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified

EQT 0960 T-1300 - O-XYLENE STORAGE TANK

25	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

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EQT 0960 T-1300 - O-XYLENE STORAGE TANK

26	[LAC 33:III.5109.A]	Complying with HON Subpart G is determined as MACT.

EQT 0961 T-152 - PAN STORAGE TANK

27	[40 CFR 63.119(a)(1)]	Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
28	[40 CFR 63.119(a)(2)]	Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]
29	[40 CFR 63.122(a)(1)]	Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
30	[40 CFR 63.122(a)(3)]	Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
31	[40 CFR 63.122(a)(4)]	Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
32	[40 CFR 63.122(a)(5)]	Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
33	[40 CFR 63.123]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
34	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

EQT 0962 T-153 - PAN STORAGE TANK

35	[40 CFR 63.119(a)(1)]	Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
36	[40 CFR 63.119(a)(2)]	Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]
37	[40 CFR 63.122(a)(1)]	Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
38	[40 CFR 63.122(a)(3)]	Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
39	[40 CFR 63.122(a)(4)]	Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]

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EQT 0962 T-153 - PAN STORAGE TANK

40	[40 CFR 63.122(a)(5)]	Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
41	[40 CFR 63.123]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
42	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

EQT 0963 T-154 - PAN STORAGE TANK

43	[40 CFR 63.119(a)(1)]	Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
44	[40 CFR 63.119(a)(2)]	Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]
45	[40 CFR 63.122(a)(1)]	Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
46	[40 CFR 63.122(a)(3)]	Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
47	[40 CFR 63.122(a)(4)]	Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
48	[40 CFR 63.122(a)(5)]	Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
49	[40 CFR 63.123]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
50	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

EQT 0964 T-155 - PAN STORAGE TANK

51	[40 CFR 63.119(a)(1)]	Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
52	[40 CFR 63.119(a)(2)]	Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]

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EQT 0964 T-155 - PAN STORAGE TANK

53	[40 CFR 63.122(a)(1)]	Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
54	[40 CFR 63.122(a)(3)]	Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
55	[40 CFR 63.122(a)(4)]	Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
56	[40 CFR 63.122(a)(5)]	Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
57	[40 CFR 63.123]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
58	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

EQT 0965 T-156 - CRUDE PAN STORAGE TANK

59	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
60	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

EQT 0966 T-157 - PAN STORAGE TANK

61	[40 CFR 63.119(a)(1)]	Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
62	[40 CFR 63.119(a)(2)]	Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]
63	[40 CFR 63.122(a)(1)]	Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
64	[40 CFR 63.122(a)(3)]	Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
65	[40 CFR 63.122(a)(4)]	Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
66	[40 CFR 63.122(a)(5)]	Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]

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EQT 0966 T-157 - PAN STORAGE TANK

67	[40 CFR 63.123]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
68	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

EQT 0967 T-3089 - D-4X PAN RESIDUE DRUM

69	[40 CFR 63.170]	No controls are required. Vessel has capacity less than 19,812 gallons. Subpart H.
70	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

EQT 0968 T-3090 - OIL DRUMS(D-9, D-9A, D-10)

71	[40 CFR 63.170]	No controls are required. Vessel has capacity less than 19,812 gallons. Subpart H.

EQT 0969 T-3091 - PALA D-12 DRUM

72	[40 CFR 63.170]	No controls are required. Vessel has capacity less than 19,812 gallons. Subpart H.

EQT 0971 T-681 - O-XYLENE STORAGE TANK

73	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
74	[LAC 33:III.5109.A]	Complying with HON Subpart G is determined as MACT.

FUG 0062 U-30 - PALA FUGITIVE EMISSIONS

75	[40 CFR 60.Subpart VV]	Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
76	[40 CFR 63.162(c)]	Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
77	[40 CFR 63.162(f)]	Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]

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78	[40 CFR 63.163(b)(1)]	Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)] Which Months: All Year Statistical Basis: None specified
79	[40 CFR 63.163(b)(3)]	Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)] Which Months: All Year Statistical Basis: None specified
80	[40 CFR 63.163(c)]	Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
81	[40 CFR 63.163(d)(2)]	Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
82	[40 CFR 63.163(d)(4)]	Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
83	[40 CFR 63.163(e)(1)]	Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
84	[40 CFR 63.163(e)(2)]	Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
85	[40 CFR 63.163(e)(3)]	Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
86	[40 CFR 63.163(e)(4)]	Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)] Which Months: All Year Statistical Basis: None specified
87	[40 CFR 63.163(e)(6)(i)]	Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
88	[40 CFR 63.163(e)(6)]	Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]

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89	[40 CFR 63.163(e)]	Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)] Which Months: All Year Statistical Basis: None specified
90	[40 CFR 63.163(h)]	Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)] Which Months: All Year Statistical Basis: None specified
91	[40 CFR 63.163(j)(1)]	Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]
92	[40 CFR 63.163(j)(2)]	Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)] Which Months: All Year Statistical Basis: None specified
93	[40 CFR 63.164(a)]	Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
94	[40 CFR 63.164(b)]	Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
95	[40 CFR 63.164(c)]	Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
96	[40 CFR 63.164(d)]	Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
97	[40 CFR 63.164(e)(2)]	Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
98	[40 CFR 63.164(g)]	Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
99	[40 CFR 63.164(i)(2)]	Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)] Which Months: All Year Statistical Basis: None specified

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100	[40 CFR 63.164]	Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H. Which Months: All Year Statistical Basis: None specified
101	[40 CFR 63.165(a)]	Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)] Which Months: All Year Statistical Basis: None specified
102	[40 CFR 63.165(b)(1)]	Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
103	[40 CFR 63.165(b)(2)]	Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)] Which Months: All Year Statistical Basis: None specified
104	[40 CFR 63.165(d)(2)]	Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
105	[40 CFR 63.166]	Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H.
106	[40 CFR 63.167]	Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H.
107	[40 CFR 63.168(c)]	Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)] Which Months: All Year Statistical Basis: None specified
108	[40 CFR 63.168(c)]	Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)] Which Months: All Year Statistical Basis: None specified

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109	[40 CFR 63.168(d)(1)]	Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)] Which Months: All Year Statistical Basis: None specified
110	[40 CFR 63.168(d)(2)]	Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)] Which Months: All Year Statistical Basis: None specified
111	[40 CFR 63.168(e)(1)]	Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
112	[40 CFR 63.168(f)(3)]	Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)] Which Months: All Year Statistical Basis: None specified
113	[40 CFR 63.168(f)]	Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
114	[40 CFR 63.168(h)(1)]	Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
115	[40 CFR 63.168(h)(2)]	Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)] Which Months: All Year Statistical Basis: None specified
116	[40 CFR 63.168(i)(1)]	Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
117	[40 CFR 63.168(i)(3)]	Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)] Which Months: All Year Statistical Basis: None specified

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118	[40 CFR 63.169(a)]	Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)] Which Months: All Year Statistical Basis: None specified
119	[40 CFR 63.169(c)]	Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
120	[40 CFR 63.170]	Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H.
121	[40 CFR 63.172(f)(1)(i)]	Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)] Which Months: All Year Statistical Basis: None specified
122	[40 CFR 63.172(f)(1)(ii)]	Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)] Which Months: All Year Statistical Basis: None specified
123	[40 CFR 63.172(f)(2)(i)]	Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)] Which Months: All Year Statistical Basis: None specified
124	[40 CFR 63.172(f)(2)(ii)]	Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)] Which Months: All Year Statistical Basis: None specified
125	[40 CFR 63.172(h)]	Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]
126	[40 CFR 63.172(j)(1)]	Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]
127	[40 CFR 63.172(j)(1)]	Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)] Which Months: All Year Statistical Basis: None specified

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128	[40 CFR 63.172(j)(2)]	Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
129	[40 CFR 63.172(j)(2)]	Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)] Which Months: All Year Statistical Basis: None specified
130	[40 CFR 63.172(k)(1)]	Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
131	[40 CFR 63.172(k)(2)]	Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)] Which Months: All Year Statistical Basis: None specified
132	[40 CFR 63.172(l)(1)]	Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
133	[40 CFR 63.172(l)(2)]	Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)] Which Months: All Year Statistical Basis: None specified
134	[40 CFR 63.172(m)]	Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
135	[40 CFR 63.173(a)]	Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)] Which Months: All Year Statistical Basis: None specified
136	[40 CFR 63.173(b)]	Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)] Which Months: All Year Statistical Basis: None specified
137	[40 CFR 63.173(c)]	Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]

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138	[40 CFR 63.173(d)(1)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]
139	[40 CFR 63.173(d)(2)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]
140	[40 CFR 63.173(d)(3)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]
141	[40 CFR 63.173(d)(4)]	Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)] Which Months: All Year Statistical Basis: None specified
142	[40 CFR 63.173(d)(6)(i)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]
143	[40 CFR 63.173(d)(6)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]
144	[40 CFR 63.173(d)]	Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)] Which Months: All Year Statistical Basis: None specified
145	[40 CFR 63.173(g)]	Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)] Which Months: All Year Statistical Basis: None specified
146	[40 CFR 63.173(h)(1)]	Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]

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147	[40 CFR 63.173(h)(3)]	Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)] Which Months: All Year Statistical Basis: None specified
148	[40 CFR 63.173(j)(1)]	Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]
149	[40 CFR 63.173(j)(2)]	Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)] Which Months: All Year Statistical Basis: None specified
150	[40 CFR 63.174(b)(1)]	Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)] Which Months: All Year Statistical Basis: None specified
151	[40 CFR 63.174(b)(2)]	Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)] Which Months: All Year Statistical Basis: None specified
152	[40 CFR 63.174(b)(3)(i)]	Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)] Which Months: All Year Statistical Basis: None specified
153	[40 CFR 63.174(b)(3)(ii)]	Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)] Which Months: All Year Statistical Basis: None specified
154	[40 CFR 63.174(c)(1)(i)]	Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)] Which Months: All Year Statistical Basis: None specified
155	[40 CFR 63.174(c)(2)(i)]	Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]

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156	[40 CFR 63.174(c)(2)(ii)]	Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)] Which Months: All Year Statistical Basis: None specified
157	[40 CFR 63.174(d)]	Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
158	[40 CFR 63.174(f)(1)]	Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]
159	[40 CFR 63.174(f)(2)]	Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)] Which Months: All Year Statistical Basis: None specified
160	[40 CFR 63.174(g)]	Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
161	[40 CFR 63.174(h)(2)]	Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
162	[40 CFR 63.174(i)]	Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
163	[40 CFR 63.180]	Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H.
164	[40 CFR 63.181]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.
165	[40 CFR 63.182(b)]	Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
166	[40 CFR 63.182(b)]	Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
167	[40 CFR 63.182(b)]	Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
168	[40 CFR 63.182(c)]	Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

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169	[40 CFR 63.182(d)]	Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
170	[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.
171	[LAC 33:III.2122]	Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
172	[LAC 33:III.5109.LA nonHON	Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.

RLP 1202 T-3088A - CRUDE PRODUCT DRUM D-2A

173	[40 CFR 63.170]	No controls are required. Vessel has capacity less than 19,812 gallons. Subpart H.
174	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

RLP 1203 T-3088B - CRUDE PRODUCT DRUM D-2B

175	[40 CFR 63.170]	No controls are required. Vessel has capacity less than 19,812 gallons. Subpart H.
176	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

RLP 1206 V-354 - PALA REACTOR SYSTEM VENTS

177	[40 CFR 63.113(a)(2)]	Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)] Which Months: All Year Statistical Basis: None specified
178	[40 CFR 64.9(a)]	Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
179	[40 CFR 64.9(b)(1)]	Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
180	[40 CFR 64.9(b)(1)]	Monitoring data recordkeeping by electronic or hard copy at the approved frequency. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
181	[40 CFR 64.9(b)(1)]	Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
182	[LAC 33:III.5109.A]	Class III TAP. MACT is not required.

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183	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
184	[40 CFR 63.112(a)]	Control emissions of organic HAP's to the level represented by the equation listed in 40 CFR 63.112(a). Subpart G. [40 CFR 63.112(a)]
185	[40 CFR 63.112(c)]	Demonstrate compliance with the emission standard in 40 CFR 63.112(a) by following the procedures specified in 40 CFR 63.112(e) for all emission points, or by following the emissions averaging compliance approach specified in 40 CFR 63.112(f) for some emission points and the procedures specified in 40 CFR 63.112(e) for all other emission points within the source. Subpart G. [40 CFR 63.112(c)]
186	[40 CFR 63.152(c)]	Submit Periodic Reports: Due semiannually no later than 60 calendar days after the end of each 6-month period, except as specified in 40 CFR 63.152(c)(5) and (c)(6). Submit the first report no later than 8 months after the date the Notification of Compliance Status is due. Include the information specified in 40 CFR 63.152(c)(2) through (c)(4). Subpart G. [40 CFR 63.152(c)]
187	[40 CFR 63.152(f)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records as specified in 40 CFR 63.152(f)(1) through (f)(7). Subpart G. [40 CFR 63.152(f)]
188	[40 CFR 63.]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
189	[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.
190	[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.
191	[LAC 33:III.1109.B]	Outdoor burning of waste material or other combustible material is prohibited.
192	[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.
193	[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.
194	[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.
195	[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.
196	[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.
197	[LAC 33:III.501.C.6]	Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, Ethylene, Propylene. (State Only).
198	[LAC 33:III.501.C.6]	Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).

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199	[LAC 33:III.504]	Comply with the requirements of the Nonattainment New Source Review Program. This permit includes provisions of the Nonattainment New Source Review Procedures (NNSR) from LAC 33:III.504.
200	[LAC 33:III.507.G.5]	Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years.
201	[LAC 33:III.509]	Comply with the requirements of PSD-LA-221(M-1). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-221(M-1).
202	[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.
203	[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.
204	[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.
205	[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.
206	[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.
207	[LAC 33:III.5107.A]	Submit Annual Emissions Report: 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.
208	[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).
209	[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.
210	[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.
211	[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.

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212	[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.
213	[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.
214	[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.
215	[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]
216	[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.
217	[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.
218	[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.
219	[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.
220	[LAC 33:III.5901.A]	Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
221	[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.
222	[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 Office of Environmental Compliance.
223	[LAC 33:III.5911.C]	Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
224	[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. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.