State of Louisiana

Department of Environmental Quality

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Activity No.: PER19960007
Agency Interest No.: 1255

Mr. Jonathon Manns
Plant Manager
PPG Industries
P. O. Box 1000
Lake Charles, LA 70602

RE: Part 70 Operating Permit, Lake Charles Complex – Derivatives Docks, PPG Industries, Inc., Lake Charles, Calcasieu Parish, Louisiana

Dear Mr. Manns:

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

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

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2010, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2005.

Permit No.: 2206-V0

Sincerely,

Chuck Carr Brown, Ph.D.
Assistant Secretary
CCB:QMZ
cc: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
PPG INDUSTRIES
LAKE CHARLES COMPLEX
PROPOSED INITIAL PART 70 AIR OPERATING PERMITS FOR DERIVATIVES DOCKS / COMPLEX SUPPORT FACILITIES
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL FOR DERIVATIVES SHIPPING FACILITY

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed initial Part 70 air operating permits and proposed Part 70 air operating permit renewal for PPG Industries, Inc., P. O. Box 1000, Lake Charles, LA 70602 for the Lake Charles Complex. **The facility is located at 1300 PPG Drive in Lake Charles, Calcasieu Parish.**

The facility consists of three highly integrated business areas, the Chlor/Alkali area where chlorine, caustic and hydrogen are produced, the Derivatives area where chlorinated hydrocarbons and muriatic acid are produced and the Silicas area where sodium silicate is produced and used for the production of different grades of products.

PPG Industries requested initial Part 70 air operating permits for its Derivatives Docks and Complex Support Facilities and a Part 70 air operating permit renewal for its Derivatives Shipping Facility. Newly available emission data has been used in the emission calculations for these permits. Estimated emissions are summarized below by unit/area (in tons per year).

For the Derivative Docks:

Pollutant	Before	After	Change
PM_{10}	0.15	0.34	+ 0.19
SO_2	0.03	0.03	-
NO_X	6.90	9.40	+ 2.50
CO	1.70	4.54	+ 2.84
VOC	39.77	18.73	- 21.04
Ammonia	-	0.60	+ 0.60
1,1,1-Trichloroethane	52.75	22.18	- 30.57
Tetrachloroethylene	11.81	27.93	+ 16.12

Note: A notice requesting public comment on the proposed permit for the Derivatives Docks was published in *The Advocate*, Baton Rouge, and in the *American Press*, Lake Charles, on September 16, 2005. The proposed permit for the Derivatives Docks is noticed again for the tetrachloroethylene emission correction from 14.59 tons per year to 27.93 tons per year.

For Complex Support Facilities:

Pollutant	Before	After*	Change
PM_{10}	4.89	6.70	+ 1.81
SO_2	-	1.69	+ 1.69
NO_X	-	25.50	+ 25.50
CO	-	5.50	+ 5.50
VOC	5.50	5.54	+ 0.04

* Including emissions from sources that were previously grandfathered.

For Derivatives Shipping Facility:

Pollutant	Before	After	Change
PM_{10}	-	-	-
SO_2	-	-	-
NO_X	-	-	-
CO	-	-	-
VOC	1.12	1.00	- 0.12

Note: No project is proposed with this Part 70 air operating permit renewal. The emission rate change shown above reflects that the TCE Drum Loading Facility will no longer transfer trans-1,2- dichloroethylene.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Tuesday, February 7, 2006.** Written comments will be considered prior to a final permit decision.

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

The applications, proposed permits and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). An additional copy may be reviewed at Calcasieu Parish Public Library, Sulphur Regional Branch, 1160 Cypress Street, Sulphur, LA.

Inquiries or requests for additional information regarding this permit action should be directed to Dr. Qingming Zhang, LDEQ, Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3140.

Persons wishing to be included on the LDEQ permit public notice mailing list should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3276, or by email at maillistrequest@ldeq.org.

Permit public notices can be viewed on the LDEQ Permits public Web page at WWW.deq.state.la.us/news/PubNotice/.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify the appropriate permit identifiers:
AI 1255, Permit Number 2206-V0, Activity Number PER19960007 – Derivatives Docks
AI 1255, Permit Number 2359-V0, Activity Number PER19960006 – Complex Support Facilities
AI 1255, Permit Number 2229-V1, Activity Number PER20030012 – Derivatives Shipping Facility

Publication date: January 3, 2006
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AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LAKE CHARLES COMPLEX – DERIVATIVES DOCKS
AGENCY INTEREST NO. 1255
PPG INDUSTRIES, INC.
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

I. Background

The Lake Charles Complex is a chemical manufacturing facility. It is organized into the following units/areas: VC Production, Power/Utilities, Silicas, Complex Support Facilities, Chlor/Alkali Plant, Mercury Cells, Derivatives Docks, Derivatives Shipping, Wastewater Treatment Facilities, Greater EDC, Waste Recovery Unit, Per/Tri, TE-2, and Incinerators Area.

This Part 70 operating permit covers the Derivatives Docks area, which was constructed in 1960s and was previously operating under Permit 2206, issued August 18, 1993, Permit 2297, issued February 2, 1995, Permit 2597, issued February 26, 1999, and Permit 2521 (M-1), issued September 19, 2000.

II. Origin

A permit application was submitted on October 11, 1996 requesting a Part 70 operating permit for the referenced facility. The application was subsequently revised on September 23, 2003 and December 21, 2004. Additional information dated April 12, June 20, and December 16, 2005 was also submitted.

III. Description

The Derivatives Docks consist of the North Dock area and the South Terminal area, which include the following equipment and operations:

Organic Storage

The storage tanks at the North Dock area and at the South Terminal area are used to store intermediate and final product materials produced in the Derivatives Plant. If needed, portable carbon and/or sodium hydroxide beds are used to meet the product specification.

Transfer Operations

Ships and barges are loaded with product materials at both North Dock and South Terminal. All product transfer lines are hard piped to the dock area. Hose is used for the final transfer of products to marine vessels.

Ethylene Unloading

Ethylene is delivered by ship to the South Terminal for vaporization. The ship delivers liquid ethylene to a booster pump. The ethylene flows into a natural gas fired vaporizer. After vaporization, the gaseous ethylene enters a closed distribution pipeline for use in Derivatives Plant operations. A flare is used to control ethylene emissions during clearing operations or malfunctions.

Sorbathene Unit

Emissions from the loading of ethylene dichloride (EDC) into barges or ships at the South Terminal are controlled by a carbon adsorption/desorption system. EDC vapors are routed to two adsorbent beds that work in a cycle to recover the organics. The beds alternate between adsorption and desorption and are regenerated under controlled conditions of temperature and pressure. The vapors from the regenerated beds are condensed and collected in an accumulator. The vents from the accumulator are routed through the adsorption bed and the organics in the vent are recovered.

There is no project proposed with this permit. Emissions from the Derivatives Docks are recalculated with newly available information and an emissions cap (ND CAP) is added for emissions from the storage tanks in the North Docks area. Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	0.15	0.34	+ 0.19
SO_2	0.03	0.03	-
NO_X	6.90	9.40	+ 2.50
CO	1.70	4.54	+ 2.84
VOC	39.77	18.73	- 21.04

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

Pollutant	Before	After	Change
1,1,2,2-Tetrachloroethane	-	0.22	+ 0.22
1,1,2-Trichloroethane	1.80	5.15	+ 3.35
1,2-Dichloroethane	8.30	3.31	- 4.99
Chloroethane	-	0.08	+ 0.08
Chloroform	-	< 0.01	< 0.01
Formaldehyde	-	< 0.01	< 0.01
Trichloroethylene	23.74	7.32	- 16.42
Vinyl Chloride	-	0.70	+ 0.70

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

Pollutant	Before	After	Change
Total		16.78	

Other VOC (TPY): 1.95

Non-VOC Toxics:

Pollutant	Before	After	Change
Ammonia	-	0.60	+ 0.60
1,1,1-Trichloroethane	52.75	22.18	- 30.57
Tetrachloroethylene	11.81	27.93	+ 16.12

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) review does not apply.

This facility is part of 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.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LAKE CHARLES COMPLEX – DERIVATIVES DOCKS
AGENCY INTEREST NO. 1255
PPG INDUSTRIES, INC.
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, and in the *American Press*, Lake Charles, on September 16, 2005. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on September 15, 2005. The public comment period was extended to November 21, 2005 due to the Hurricane Rita. The draft permit was also submitted to US EPA Region VI and Texas NRCC for review. No comment from the general public was received.

A notice requesting public comment on the permit for toxic emission increases was published in *The Advocate*, Baton Rouge, on **<date>**, 2005; and in the <local paper>, <local town>, on **<date>**, 2005. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **<date>**, 2005. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - TPY
O1 – Sampling	5 times/day	VOC: < 0.01; Other: < 0.01
O3 – Disconnecting Loading/Unloading Hoses	4 times/day	VOC: 0.01; Other: 0.01
O4 – Clearing Filters to Replace Cartridges	40 times/year	VOC: 0.04; Other: 0.03
O5 – Emissions from Adding Stabilizer	5 times/year	VOC: 0.01
M1 – Clearing Pumps	25 pumps/year	VOC: < 0.01; Other: < 0.01
M2 – Clearing piping	40 pipes/week	VOC: < 0.01; Other: < 0.01
M3 – Clearing Instrument Tubing	10 feet/day	VOC: < 0.01; Other: < 0.01
M4 – Clearing Tanks	21 times/year	VOC: 0.44; Other: 0.48
M4-A – ST-1 Tank Clearing	1 time/2 years	VOC: 0.02
M4-B – ST-2 Tank Clearing	1 time/2 years	VOC: 0.02
M4-C – ST-3 Tank Clearing	1 time/2 years	VOC: 0.01

Work Activity	Schedule	Emission Rates - TPY
M11 – Manually Measuring Tank Levels and Obtaining Samples from Theft Hatch	12 times/year	VOC: 0.02; Other: 0.05

IX. Insignificant Activities

ID No.	Description	Citation
	Dock Clearing Vessel (85 gal)	[LAC 33:III.501.B.5.A.2]
	Portable Kerosene Heaters	[LAC 33:III.501.B.5.A.5]
	Oxygen Analyzer Carbon Filter (55 gallons)	[LAC 33:III.501.B.5.A.9]
	Oxygen Analyzer Sample Carbon Filter	[LAC 33:III.501.B.5.A.9]
	Oxygen Analyzer Sample Dryer No. 1	[LAC 33:III.501.B.5.A.9]
	Oxygen Analyzer Sample Dryer No. 2	[LAC 33:III.501.B.5.A.9]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LAKE CHARLES COMPLEX – DERIVATIVES DOCKS
AGENCY INTEREST NO. 1255
PPG INDUSTRIES, INC.
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

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

ID No.	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	2103	2104*	2108	2113	2115	2116*	2122	22	29*	51*	53	56	59
GRP057	Derivatives Docks	1	1	1	1					1						1		1	
EQT139	ST Ethylene Vaporizer			1	1	1													
EQT140	ST Ethylene Flare			1	1	1													
EQT142	MC Dock Storage Vent Absorber						1									1			
EQT143	No. 1 Per Dock Storage Tank						3									1			
EQT144	No. 2 Per Dock Storage Tank						3									1			
EQT145	No. 3 Per Dock Storage Tank						3									1			
EQT151	Pressurized EC Sphere 1						1												
EQT152	Pressurized EC Sphere 2						1												
EQT153	Pressurized VC Sphere 3						1												
EQT154	Storage Tank EDC ST-2						1												
EQT155	Storage Tank EDC ST-1						1												
EQT156	Storage Tank EDC ST-3						1												
EQT157	Storage Tank TE-3																		
EQT158	Storage Tank TE-2																		
EQT159	No. 4 Per Dock Storage Tank																		
EQT160	Tank VC Low Temp No. 1						1												
EQT161	Tank VC Low Temp No. 2						1												
EQT162	No. 2 Tri Dock Storage Tank						1												
EQT163	No. 3 Tri Dock Storage Tank						1												
EQT164	No. 4 Tri Dock Storage Tank						1												
EQT165	ND EDC/TCE Storage Tank No. 1						1												
EQT166	ND EDC/TCE Storage Tank No. 2						1												
EQT267	Refrigeration Condenser															1			

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

ID No.	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	2103	2104*	2108	2113	2115	2116*	2122	22	29*	51*	53	56	59
EQT268	Refrigeration Condenser															1			
FUG007	Dock Area Fugitives												1			1			
RLP018	ST Sorbathane Unit Vent/Loading								1							1			
RLP019	ND Ship/Barge Loading Vents								2							1			

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

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.

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	Ka	Kb	Db	Dc	VV	A	M	V	A	F	G	H	Y	DDDDD	52	68	82
GRP057	Derivatives Docks							1	1		1							1	
EQT139	ST Ethylene Vaporizer										1					1			
EQT140	ST Ethylene Flare																		
EQT142	MC Dock Storage Vent Absorber			3									1						
EQT143	No. 1 Per Dock Storage Tank			3									1						
EQT144	No. 2 Per Dock Storage Tank			3									1						
EQT145	No. 3 Per Dock Storage Tank			3									1						
EQT151	Pressurized EC Sphere 1																		
EQT152	Pressurized EC Sphere 2																		
EQT153	Pressurized VC Sphere 3																		
EQT154	Storage Tank EDC ST-2			3									1						
EQT155	Storage Tank EDC ST-1			3									1						
EQT156	Storage Tank EDC ST-3			1									1						
EQT157	Storage Tank TE-3												1						
EQT158	Storage Tank TE-2												1						
EQT159	No. 4 Per Dock Storage Tank												1						
EQT160	Tank VC Low Temp No. 1			3									1						
EQT161	Tank VC Low Temp No. 2			3									1						
EQT162	No. 2 Tri Dock Storage Tank			3									1						
EQT163	No. 3 Tri Dock Storage Tank			3									1						
EQT164	No. 4 Tri Dock Storage Tank			3									1						
EQT165	ND EDC/TCE Storage Tank No. 1			3									1						

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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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	Ka	Kb	Db	Dc	VV	A	J	V	A	F	G	H	Y	DDDDD	52	68	82
EQT166	ND EDC/TCE Storage Tank No. 2			3									1						
EQT267	Refrigeration Condenser																		
EQT268	Refrigeration Condenser																		
FUG007	Dock Area Fugitives						1			1				1					
RLP018	ST Sorbathane Unit Vent/Loading														2				
RLP019	ND Ship/Barge Loading Vents														1				

KEY TO MATRIX

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

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

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

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

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

ID No:	Requirement	Notes
EQT142, EQT154, EQT155, EQT157, EQT158, EQT159, EQT160, EQT161, EQT162, EQT163, EQT164, EQT165, EQT166	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 [40 CFR 60.110b]	DOES NOT APPLY – Storage tanks were constructed prior to July 23, 1984.
EQT143, EQT144, EQT145	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 [40 CFR 60.110b]	DOES NOT APPLY – Storage tanks were constructed prior to July 23, 1984.
	Storage of Volatile Organic Compounds [LAC 33:III.2130]	DOES NOT APPLY – Vapor pressure < 1.5 psia.
RLP018	NESHAP, 40 CFR 63, Subpart Y – Marine Vessel Loading Operations MACT/RACT [40 CFR 63.560]	EXEMPT – Material routed through the Sorbathane Unit (EDC) has a vapor pressure below 1.5 psia at standard conditions.
RLP019	Marine Vapor Recovery [LAC 33:III.2108]	EXEMPT – True vapor pressure is less than 1.5 psia at the loading temperature.

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

XII. Permit Shield

Per 40 CFR 60.6(f) and LAC 33:III.507.I, a permit shield has been determined for the referenced facility as follows:

a. Ethylene Flare (EQT140) is not subject to NSPS Subpart A – Streams vented to this flare are from offloading ethylene ships and are not covered by any subpart in NSPS.

b. The ST Sorbathene Unit (RLP018) is not subject to 40 CFR 63, Subpart Y – Material routed through this unit (EDC) has a vapor pressure below 1.5 psia at standard conditions.

c. The storage vessels 325, 327A, 327B, 327C, 27A-T-29, 27A-T-24, 69A-T-138, 69A-T-2, 63A-T-58, 27A-T-1, 27A-T-2, 63A-T-159, 63A-T-133, 63A-T-203, 63A-T-19, and 63A-T-20 (EQT142, EQT143, EQT144, EQT145, EQT154, EQT155, EQT157, EQT158, EQT159, EQT160, EQT161, EQT162, EQT163, EQT164, EQT165, and EQT166) are not subject to NSPS Subpart Kb – These vessels were constructed before the applicability date of July 23, 1984.

d. Compliance with 40 CFR 63 Subparts F and G constitutes compliance with 40 CFR 60 Subpart Kb for storage vessel 27A-T-30 (EQT156) per 40 CFR 63.110(b)(1).

40 CFR PART 70 GENERAL CONDITIONS

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

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

C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]

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

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

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

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

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

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

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

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

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

J. Records of required monitoring shall include the following:

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

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

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

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

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

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence

that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

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

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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

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

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated December 21, 2004, along with supplemental information dated April 12, June 20, and December 16, 2005.

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

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

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

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

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

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

VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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

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

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

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

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

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

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

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

INVENTORIES

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960007
Permit Number: 2206-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT139	26: ST Ethylene Vaporizer		24.2 MM BTU/hr	24.2 MM BTU/hr		3750 hr/yr (All Year)
EQT140	27: ST Ethylene Flare		.04 MM BTU/hr	.04 MM BTU/hr		3751 hr/yr (All Year)
EQT142	325: MC Dock Storage Vent Absorber	1.31 million gallons				8760 hr/yr (All Year)
EQT143	327A: No. 1 Per Dock Storage Tank	433166 gallons				8760 hr/yr (All Year)
EQT144	327B: No. 2 Per Dock Storage Tank	433166 gallons				8760 hr/yr (All Year)
EQT145	327C: No. 3 Per Dock Storage Tank	433166 gallons				8760 hr/yr (All Year)
EQT151	64A-T-13: Pressurized EC Sphere 1	315000 gallons				8760 hr/yr (All Year)
EQT152	64A-T-14: Pressurized EC Sphere 2	315000 gallons				8760 hr/yr (All Year)
EQT153	56A-T-60821: Pressurized VC Sphere 3	869500 gallons				8760 hr/yr (All Year)
EQT154	27A-T-29: Storage Tank EDC ST-2	3.19 million gallons				8760 hr/yr (All Year)
EQT155	27A-T-24: Storage Tank EDC ST-1	2.52 million gallons				8760 hr/yr (All Year)
EQT156	27A-T-30: Storage Tank EDC ST-3	1.1 million gallons				8760 hr/yr (All Year)
EQT157	69A-T-138: Storage Tank TE-3	981828 gallons				8760 hr/yr (All Year)
EQT158	69A-T-2: Storage Tank TE-2	325000 gallons				8760 hr/yr (All Year)
EQT159	63A-T-58: No. 4 Per Dock Storage Tank	433166 gallons				8760 hr/yr (All Year)
EQT160	27A-T-1: Tank VC Low Temp No. 1	1.85 million gallons				8760 hr/yr (All Year)
EQT161	27A-T-2: Tank VC Low Temp No. 2	1.85 million gallons				8760 hr/yr (All Year)
EQT162	63A-T-159: No. 2 Tri Dock Storage Tank	433166 gallons				8760 hr/yr (All Year)
EQT163	63A-T-133: No. 3 Tri Dock Storage Tank	433166 gallons				8760 hr/yr (All Year)
EQT164	63A-T-203: No. 4 Tri Dock Storage Tank	431185 gallons				8760 hr/yr (All Year)
EQT165	63A-T-20: North Doc EDC/TCE Storage Tank No. 1	469000 gallons				8760 hr/yr (All Year)
EQT166	63A-T-19: North Doc EDC/TCE Storage Tank No. 2	469000 gallons				8760 hr/yr (All Year)
EQT267	313: Refrigeration Condenser			1 ft^3/min		8760 hr/yr (All Year)
EQT268	330: Refrigeration Condenser			.19 ft^3/min		8760 hr/yr (All Year)
FUG007	349H: Dock Area Fugitives					8760 hr/yr (All Year)
RLP018	390: ST Sorbathane Unit Vent/Loading					2184 hr/yr (All Year)
RLP019	391: ND Ship/Barge Loading Vents					600 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP057	DERIVATIVES DOCK	EQT139 26: ST Ethylene Vaporizer
GRP057	DERIVATIVES DOCK	EQT140 27: ST Ethylene Flare
GRP057	DERIVATIVES DOCK	EQT142 325: MC Dock Storage Vent Absorber
GRP057	DERIVATIVES DOCK	EQT143 327A: No. 1 Per Dock Storage Tank
GRP057	DERIVATIVES DOCK	EQT144 327B: No. 2 Per Dock Storage Tank
GRP057	DERIVATIVES DOCK	EQT145 327C: No. 3 Per Dock Storage Tank

INVENTORIES

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
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Permit Number: 2206-V0
Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP057	DERIVATIVES DOCK	EQT151 64A-T-13: Pressurized EC Sphere 1
GRP057	DERIVATIVES DOCK	EQT152 64A-T-14: Pressurized EC Sphere 2
GRP057	DERIVATIVES DOCK	EQT153 56A-T-60821: Pressurized VC Sphere 3
GRP057	DERIVATIVES DOCK	EQT154 27A-T-29: Storage Tank EDC ST-2
GRP057	DERIVATIVES DOCK	EQT155 27A-T-24: Storage Tank EDC ST-1
GRP057	DERIVATIVES DOCK	EQT156 27A-T-30: Storage Tank EDC ST-3
GRP057	DERIVATIVES DOCK	EQT157 69A-T-138: Storage Tank TE-3
GRP057	DERIVATIVES DOCK	EQT158 69A-T-2: Storage Tank TE-2
GRP057	DERIVATIVES DOCK	EQT159 63A-T-58: No. 4 Per Dock Storage Tank
GRP057	DERIVATIVES DOCK	EQT160 27A-T-1: Tank VC Low Temp No. 1
GRP057	DERIVATIVES DOCK	EQT161 27A-T-2: Tank VC Low Temp No. 2
GRP057	DERIVATIVES DOCK	EQT162 63A-T-159: No. 2 Tri Dock Storage Tank
GRP057	DERIVATIVES DOCK	EQT163 63A-T-133: No. 3 Tri Dock Storage Tank
GRP057	DERIVATIVES DOCK	EQT164 63A-T-203: No. 4 Tri Dock Storage Tank
GRP057	DERIVATIVES DOCK	EQT165 63A-T-20: North Doc EDC/TCE Storage Tank No. 1
GRP057	DERIVATIVES DOCK	EQT166 63A-T-19: North Doc EDC/TCE Storage Tank No. 2
GRP057	DERIVATIVES DOCK	EQT267 313: Refrigeration Condenser
GRP057	DERIVATIVES DOCK	EQT268 330: Refrigeration Condenser
GRP057	DERIVATIVES DOCK	FUG7 349H: Dock Area Fugitives
GRP057	DERIVATIVES DOCK	GRP58 ND CAP: North Dock Cap
GRP057	DERIVATIVES DOCK	RLP18 390: ST Sorbathane Unit Vent/Loading
GRP057	DERIVATIVES DOCK	RLP19 391: ND Ship/Barge Loading Vents
GRP058	ND CAP: North Dock Cap	EQT142 325: MC Dock Storage Vent Absorber
GRP058	ND CAP: North Dock Cap	EQT143 327A: No. 1 Per Dock Storage Tank
GRP058	ND CAP: North Dock Cap	EQT144 327B: No. 2 Per Dock Storage Tank
GRP058	ND CAP: North Dock Cap	EQT145 327C: No. 3 Per Dock Storage Tank
GRP058	ND CAP: North Dock Cap	EQT267 313: Refrigeration Condenser
GRP058	ND CAP: North Dock Cap	EQT268 330: Refrigeration Condenser

Relationships:

Subject Item	Relationship	Subject Item
EQT142 325: MC Dock Storage Vent Absorber	Controls emissions from	EQT157 69A-T-138: Storage Tank TE-3
EQT142 325: MC Dock Storage Vent Absorber	Controls emissions from	EQT158 69A-T-2: Storage Tank TE-2
EQT267 313: Refrigeration Condenser	Controls emissions from	EQT165 63A-T-20: North Doc EDC/TCE Storage Tank No. 1
EQT267 313: Refrigeration Condenser	Controls emissions from	EQT166 63A-T-19: North Doc EDC/TCE Storage Tank No. 2
EQT268 330: Refrigeration Condenser	Controls emissions from	EQT159 63A-T-58: No. 4 Per Dock Storage Tank
EQT268 330: Refrigeration Condenser	Controls emissions from	EQT162 63A-T-159: No. 2 Tri Dock Storage Tank

INVENTORIES

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960007
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Air - Title V Regular Permit Initial

Relationships:

Subject Item	Relationship	Subject Item
EQT268 330: Refrigeration Condenser	Controls emissions from	EQT163 63A-T-133: No. 3 Tri Dock Storage Tank
EQT268 330: Refrigeration Condenser	Controls emissions from	EQT164 63A-T-203: No. 4 Tri Dock Storage Tank

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT139	26: ST Ethylene Vaporizer	44.8	8450	2	3.14	18	450
EQT140	27: ST Ethylene Flare	437	996	.22	.04	45	1800
EQT142	325: MC Dock Storage Vent Absorber	.32	3.8	.5	.2	57	20
EQT143	327A: No. 1 Per Dock Storage Tank	0	.09	1.33	1.39	30	80
EQT144	327B: No. 2 Per Dock Storage Tank	0	.09	1.33	1.39	30	80
EQT145	327C: No. 3 Per Dock Storage Tank	0	.09	1.33	1.39	30	80
EQT267	313: Refrigeration Condenser	.19	1	.3		8	10
EQT268	330: Refrigeration Condenser	.02	.19	3.28	8.45	32	14.7
RLP018	390: ST Sorbathane Unit Vent/Loading	23.6	289	.51	.2	15	115

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP057			1360 - D) Petroleum, Chemical Bulk Storage and Terminal (500,000 BBL Capacity or Less)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960007
Permit Number: 2206-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 26	0.18	0.22	0.34	0.01	0.02	0.03	2.37	2.85	4.45	1.99	2.39	3.74	0.13	0.16	0.24
EQT 140 27	< 0.01	3.74	< 0.01	< 0.01	< 0.01	< 0.01	2.64	3.17	4.95	0.42	0.51	0.80	0.16	0.19	0.30
EQT 142 325														3.73	
EQT 143 327A														3.73	
EQT 144 327B														3.73	
EQT 145 327C														3.73	
EQT 267 313														3.73	
EQT 268 330														3.73	
FUG 007 349H													0.28		1.22
GRP 058 ND CAP													3.11		13.63
RLP 018 390													0.08	2.34	0.70
RLP 019 391													8.80	212.00	2.64

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

Permit Phase Totals:

PM10: 0.34 tons/yr

SO2: 0.03 tons/yr

NOx 9.40 tons/yr

CO: 4.54 tons/yr

VOC: 18.73 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960007
Permit Number: 2206-V0
Air - Title V Regular Permit Initial

All phases

	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,2-Dichloroethane			Ammonia		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 26															
EQT 142 325		3.31			0.06			1.36			0.65				
EQT 143 327A		3.31			0.06			1.36			0.65				
EQT 144 327B		3.31			0.06			1.36			0.65				
EQT 145 327C		3.31			0.06			1.36			0.65				
EQT 267 313		3.31			0.06			1.36			0.65				
EQT 268 330		3.31			0.06			1.36			0.65				
FUG 007 349H			0.22						0.18			0.23			0.60
GRP 058 ND CAP	2.76		12.07	0.05		0.22	1.14		4.97	0.54		2.38			
RLP 018 390										0.08	2.34	0.70			
RLP 019 391	32.97	330.00	9.89												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960007
Permit Number: 2206-V0
Air - Title V Regular Permit Initial

All phases

	Carbon tetrachloride			Chloroethane			Chloroform			Formaldehyde			Hexachlorobutadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 26										< 0.01	< 0.01	< 0.01			
EQT 142 325															
EQT 143 327A		0.07						0.09						< 0.001	
EQT 144 327B															
EQT 145 327C															
EQT 267 313															
EQT 268 330															
FUG 007 349H						0.08			< 0.01						
GRP 058 ND CAP															
RLP 018 390															
RLP 019 391															

TPOR0146

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960007
Permit Number: 2206-V0
Air - Title V Regular Permit Initial

All phases

	Hexachloroethane			Tetrachloroethylene			Trichloroethylene			Vinyl chloride			Vinylidene chloride		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 26															
EQT 142 325					3.62			1.29							
EQT 143 327A		< 0.001			3.62			1.29						0.10	
EQT 144 327B					3.62			1.29							
EQT 145 327C					3.62			1.29							
EQT 267 313					3.62			1.29							
EQT 268 330					3.62			1.29							
FUG 007 349H						0.10			0.01			0.70			
GRP 058 ND CAP				6.06		26.56	1.08		4.71						
RLP 018 390															
RLP 019 391				4.23	62.00	1.27	8.67	212.00	2.60						

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

Permit Parameter Totals:

1,1,1-Trichloroethane: 22.18 tons/yr

1,1,2,2-Tetrachloroethane: 0.22 tons/yr

1,1,2-Trichloroethane: 5.15 tons/yr

1,2-Dichloroethane: 3.31 tons/yr

Ammonia: 0.60 tons/yr

Chloroethane: 0.08 tons/yr

Chloroform: <0.01 tons/yr

Formaldehyde: <0.01 tons/yr

Tetrachloroethylene: 27.93 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960007
Permit Number: 2206-V0
Air - Title V Regular Permit Initial

All phases

Trichloroethylene: 7.32 tons/yr
Vinyl chloride: 0.70 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960007
Permit Number: 2206-V0
Air - Title V Regular Permit Initial

EQT139 26: ST Ethylene Vaporizer

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

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

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

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

5 Subject to only the initial notification requirements in 40 CFR 63.9(b) per 40 CFR 63.7506(b). (40 CFR 63, Subparts A and DDDDD). [40 CFR 63.7506]

EQT140 27: ST Ethylene Flare

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

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

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

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

10 Permittee shall ensure destruction of emissions to this flare stack by maintaining the heat content of the flare gas above 300 BTU/scf (one hour average) and by installing, maintaining, and operating, according to the manufacturer's specifications, a heat sensing device to detect the continuous presence of a flame when operating. Alternate devices may be used with the prior approval of the Office of Environmental Assessment, Engineering Division. [LAC 33:III.501.C.6]

EQT142 325: MC Dock Storage Vent Absorber

11 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

EQT142 325: MC Dock Storage Vent Absorber

14 The temperature of the cooling media exiting the MC Coolant Chiller outlet shall be no greater than - 5 F (one hour average) during transfer operations. In the event that the regrigeration unit is shutdown, no transfer shall be made and carbon adsorption shall be used to control breathing lossess, within four hours of the shutdown. A record of the temperature of the refregerant exiting the North Dock condenser shall be maintained on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

15 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Emissions of 1,1,1-trichloroethane are controlled by a refrigerated condenser with an efficiency of 88.4% - Determined as MACT. [LAC 33:III.5109.A]

16 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, or a closed-vent system and control device, or routing the emissions to a process or a fuel gas system in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e) or (f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

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

18 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

19 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)]

20 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)]

21 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)]

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

EQT143 327A: No. 1 Per Dock Storage Tank

23 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Comply with HON Subpart G - Determined as MACT. [LAC 33:III.5109.A]

24 Equipment/operational data recordkeeping by electronic or hard copy continuously. 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)]

EQT144 327B: No. 2 Per Dock Storage Tank

25 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Comply with HON Subpart G - Determined as MACT. [LAC 33:III.5109.A]

26 Equipment/operational data recordkeeping by electronic or hard copy continuously. 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)]

EQT145 327C: No. 3 Per Dock Storage Tank

27 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Comply with HON Subpart G - Determined as MACT. [LAC 33:III.5109.A]

28 Equipment/operational data recordkeeping by electronic or hard copy continuously. 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)]

EQT151 64A-T-13: Pressurized EC Sphere 1

EQT151 64A-T-13: Pressurized EC Sphere 1

29 Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. [LAC 33:III.2103.A]

30 Emissions from this source are routed to the No. 1 and No. 2 Incinerators (345), No. 3 HAF (346), or No. 4 Thermal Oxidizer (347) currently covered in the Permit 2040-V0, issued February 21, 2005. [LAC 33:III.501]

EQT152 64A-T-14: Pressurized EC Sphere 2

31 Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. [LAC 33:III.2103.A]

32 Emissions from this source are routed to the No. 1 and No. 2 Incinerators (345), No. 3 HAF (346), or No. 4 Thermal Oxidizer (347) currently covered in the Permit 2040-V0, issued February 21, 2005. [LAC 33:III.501]

EQT153 56A-T-60821: Pressurized VC Sphere 3

33 Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. [LAC 33:III.2103.A]

34 Emissions from this source are routed to the No. 1 and No. 2 Incinerators (345), No. 3 HAF (346), or No. 4 Thermal Oxidizer (347) currently covered in the Permit 2040-V0, issued February 21, 2005. [LAC 33:III.501]

EQT154 27A-T-29: Storage Tank EDC ST-2

35 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

39 Emissions from this source are routed to the No. 1 and No. 2 Incinerators (345), No. 3 HAF (346), or No. 4 Thermal Oxidizer (347) currently covered in the Permit 2040-V0, issued February 21, 2005. [LAC 33:III.501]

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

41 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

42 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)]

43 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)]

44 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)]

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

EQT155 27A-T-24: Storage Tank EDC ST-1

EQT155 27A-T-24: Storage Tank EDC ST-1

46 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

50 Emissions from this source are routed to the No. 1 and No. 2 Incinerators (345), No. 3 HAF (346), or No. 4 Thermal Oxidizer (347) currently covered in the Permit 2040-V0, issued February 21, 2005. [LAC 33:III.501]

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

52 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

53 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)]

54 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)]

55 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)]

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

EQT156 27A-T-30: Storage Tank EDC ST-3

57 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

61 Emissions from this source are routed to the No. 1 and No. 2 Incinerators (345), No. 3 HAF (346), or No. 4 Thermal Oxidizer (347) currently covered in the Permit 2040-V0, issued February 21, 2005. [LAC 33:III.501]

62 NSPS Subpart Kb is superseded by HON Subpart G. [40 CFR 60.110b]

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

64 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

65 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)]

66 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)]

67 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)]

EQT156 27A-T-30: Storage Tank EDC ST-3

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

EQT157 69A-T-138: Storage Tank TE-3

69 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Emissions of 1,1,1-trichloroethane shall be controlled by a refrigerated condenser with an efficiency of 88.4% - Determined as MACT. [LAC 33:III.5109.A]

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

71 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

72 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)]

73 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)]

74 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)]

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

EQT158 69A-T-2: Storage Tank TE-2

76 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Emissions of 1,1,1-trichloroethane shall be controlled by a refrigerated condenser with an efficiency of 88.4% - Determined as MACT. [LAC 33:III.5109.A]

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

78 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

79 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)]

80 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)]

81 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)]

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

EQT159 63A-T-58: No. 4 Per Dock Storage Tank

83 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Emissions of tetrachloroethylene shall be controlled by a refrigerated condenser with an efficiency of 66.7% - Determined as MACT. [LAC 33:III.5109.A]

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

85 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

86 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)]

87 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)]

88 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)]

EQT159 63A-T-58: No. 4 Per Dock Storage Tank

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

EQT160 27A-T-1: Tank VC Low Temp No. 1

90 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

94 Emissions from this source are routed to the No. 1 and No. 2 Incinerators (345), No. 3 HAF (346), or No. 4 Thermal Oxidizer (347) currently covered in the Permit 2040-V0, issued February 21, 2005. [LAC 33:III.501]

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

96 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

97 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)]

98 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)]

99 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)]

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

EQT161 27A-T-2: Tank VC Low Temp No. 2

101 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

105 Emissions from this source are routed to the No. 1 and No. 2 Incinerators (345), No. 3 HAF (346), or No. 4 Thermal Oxidizer (347) currently covered in the Permit 2040-V0, issued February 21, 2005. [LAC 33:III.501]

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

107 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

EQT161 27A-T-2: Tank VC Low Temp No. 2

108 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)]

109 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)]

110 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)]

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

EQT162 63A-T-159: No. 2 Tri Dock Storage Tank

112 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

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

117 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

118 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)]

119 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)]

120 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)]

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

EQT163 63A-T-133: No. 3 Tri Dock Storage Tank

122 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

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

127 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

EQT163 63A-T-133: No. 3 Tri Dock Storage Tank

128 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)]

129 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)]

130 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)]

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

EQT164 63A-T-203: No. 4 Tri Dock Storage Tank

132 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

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

137 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

138 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)]

139 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)]

140 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)]

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

EQT165 63A-T-20: North Doc EDC/TCE Storage Tank No. 1

142 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

146 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Emissions of 1,1,2-trichloroethane shall be controlled by a refrigerated condenser with an efficiency of 73.6% - Determined as MACT. [LAC 33:III.5109.A]

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

EQT165 63A-T-20: North Doc EDC/TCE Storage Tank No. 1

148 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

149 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)]

150 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)]

151 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)]

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

EQT166 63A-T-19: North Doc EDC/TCE Storage Tank No. 2

153 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified

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

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

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

157 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Emissions of 1,1,2-trichloroethane shall be controlled by a refrigerated condenser with an efficiency of 73.6% - Determined as MACT. [LAC 33:III.5109.A]

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

159 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

160 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)]

161 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)]

162 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)]

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

EQT267 313: Refrigeration Condenser

164 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Emissions of 1,1,2-trichloroethane shall be controlled by a refrigerated condenser with an efficiency of 73.6% - Determined as MACT. [LAC 33:III.5109.A]

EQT268 330: Refrigeration Condenser

165 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Emissions of tetrachloroethylene shall be controlled by a refrigerated condenser with an efficiency of 66.7% - Determined as MACT. [LAC 33:III.5109.A]

FUG007 349H: Dock Area Fugitives

FUG007 **349H: Dock Area Fugitives**

166 Compliance with the streamlined equipment leak monitoring program specified for the Derivatives Docks area constitutes compliance with LAC 33:III.2122. [LAC 33:III.2122]

167 Permittee shall comply with a streamlined equipment leak 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 table in Appendix A. Non-compliance 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.
i) 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 (40 CFR 63 Subpart H) 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.
ii) 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. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
iii) Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on January 31 and July 31, to cover the periods July 1 through December 31 and January 1 through June 30, respectively. The semiannual reports shall include any monitoring performed within the reporting periods. [LAC 33:III.501]

168 Compliance with the streamlined equipment leak monitoring program specified for the Derivatives Docks area constitutes compliance with LAC 33:III.Chapter 51. [LAC 33:III.5109.A]

169 Complian with the streamlined equipment leak monitoring program specified for the Derivatives Docks area constitutes compliance with NSPS Subpart VV. [40 CFR 60.480]

170 Compliance with the streamlined equipment leak monitoring program specified for the Derivatives Docks area constitutes compliance with 40 CFR Part 61, Subpart V. [40 CFR 61.240]

171 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)]

172 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)]

173 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

174 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

175 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)]

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176 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)]

177 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)]

178 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. Subpart H. [40 CFR 63.163(e)(1)]

179 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.163(e)(2)]

180 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. Subpart H. [40 CFR 63.163(e)(3)]

181 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). Subpart H. [40 CFR 63.163(e)(4)]
Which Months: All Year Statistical Basis: None specified

182 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. Subpart H. [40 CFR 63.163(e)(6)(i)]

183 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. Subpart H. [40 CFR 63.163(e)(6)]

184 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). Subpart H. [40 CFR 63.163(e)]
Which Months: All Year Statistical Basis: None specified

185 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. Subpart V. [40 CFR 63.163(h)]
Which Months: All Year Statistical Basis: None specified

186 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). Subpart H. [40 CFR 63.163(j)(1)]

187 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. Subpart H. [40 CFR 63.163(j)(2)]
Which Months: All Year Statistical Basis: None specified

188 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)]

189 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)]

190 Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]

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191 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)]

192 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)]

193 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)]

194 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. Subpart H. [40 CFR 63.164(i)(2)]
Which Months: All Year Statistical Basis: None specified

195 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. [40 CFR 63.164]
Which Months: All Year Statistical Basis: None specified

196 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

197 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)]

198 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

199 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. Subpart V. [40 CFR 63.165(d)(2)]

200 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. [40 CFR 63.166]

201 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. [40 CFR 63.167]

202 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

203 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

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204 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

205 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

206 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)]

207 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

208 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)]

209 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). Subpart H. [40 CFR 63.168(h)(1)]

210 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. Subpart H. [40 CFR 63.168(h)(2)]
Which Months: All Year Statistical Basis: None specified

211 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. Subpart H. [40 CFR 63.168(i)(1)]

212 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. Subpart H. [40 CFR 63.168(i)(3)]
Which Months: All Year Statistical Basis: None specified

213 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

214 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)]

215 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. [40 CFR 63.170]

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216 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

217 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

218 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

219 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)]

220 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

221 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)]

222 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). Subpart H. [40 CFR 63.174(f)(1)]

223 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. Subpart H. [40 CFR 63.174(f)(2)]
Which Months: All Year Statistical Basis: None specified

224 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). Subpart H. [40 CFR 63.174(g)]

225 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). Subpart H. [40 CFR 63.174(h)(2)]

226 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)]

227 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]

228 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. [40 CFR 63.181]

229 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)]

230 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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231 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)]

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232 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

233 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

234 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

235 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

236 Particulate matter (10 microns or less) <= 0.34 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

237 Sulfur dioxide <= 0.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

238 Nitrogen oxides <= 9.40 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

239 Carbon monoxide <= 4.54 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

240 VOC, Total <= 18.73 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

241 Chloroform < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

242 Chloroethane <= 0.08 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

243 1,2-Dichloroethane <= 3.31 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

244 1,1,2,2-Tetrachloroethane <= 0.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

245 1,1,2-Trichloroethane <= 5.15 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

246 Trichloroethylene <= 7.32 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

247 Vinyl chloride <= 0.70 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

248 Ammonia <= 0.60 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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249 1,1,1-Trichloroethane <= 22.18 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

250 Tetrachloroethylene <= 27.93 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

251 Formaldehyde < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

252 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]

253 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

254 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]

255 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]

256 Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991. [LAC 33:III.5107.A.1]

257 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]

258 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]

259 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]

260 Submit notification: Due to the Office of Environmental Compliance, 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.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]

261 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]

262 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]

263 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]

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264 Submit to DEQ a certification of compliance with all ambient air standards, in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E. [LAC 33:III.5109.B.2]

265 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]

266 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

267 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]

268 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]

269 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]

270 Obtain written authorization from DEQ before commencement of any modification specified in a compliance plan submitted pursuant to LAC 33:III.5109. [LAC 33:III.5111.A.3]

271 Apply for a permit in accordance with LAC 33:III.5111.B, for any existing major source which is operating without a Louisiana Air Permit, or which is not fully permitted, or for any minor source that was once a major source. [LAC 33:III.5111.A.4]

272 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]

273 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]

274 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]

275 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

276 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]

277 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]

278 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]

279 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

280 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

281 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

282 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]

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

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284 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

285 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]

286 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]

287 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]

288 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]

289 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]

290 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]

291 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]

292 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]

293 Shall comply with all applicable provisions of LAC 33:III.5151.E & K. [LAC 33:III.5151.E, K]

294 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]

295 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]

296 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]

297 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]

298 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]

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

300 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. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

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

302 Shall comply with all applicable provisions of 40 CFR Part 61, Subpart M, including 61.144, 61.150, and 61.151. [40 CFR 61]

303 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63.1 - 15]

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304 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 68.22. [40 CFR 68.12(b)(1)]

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

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

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

308 Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999. [40 CFR 68.150]

309 Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g). [40 CFR 68.155]

310 Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13). [40 CFR 68.160]

311 Submit in the RMP information one worst-case release scenario for each Program 1 process. Include the data specified in 68.165(b)(1) through (13). [40 CFR 68.165]

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

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

314 Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]

315 Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999. [40 CFR 68.190]

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

317 Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences. [40 CFR 68.22]

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

319 Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e). [40 CFR 68.28]

320 Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.30]

321 List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.33]

322 Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]

323 Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36]

324 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses. [40 CFR 68.39]

325 Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release. [40 CFR 68.42]

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

GRP057 DERIVATIVES DOCK

327 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

328 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

329 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

GRP058 ND CAP: North Dock Cap

330 Permittee shall demonstrate compliance with the emission limits of North Dock Cap (EP-146) by recording each chemical stored and throughput in the tanks under this cap (EQT141 through EQT114, EQT267, and EQT268). The throughput and chemicals stored shall be recorded each month. The total throughput for the last twelve months shall also be recorded. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total VOC emissions and total emissions of each TAP/HAP from the tanks and/or associated control devices under this emission cap over the maximum given in this permit for any twelve consecutive month period shall be considered a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing chemicals stored, throughput, and the VOC emissions and each TAP/HAP emissions calculated based on the throughput for the preceding calendar year shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31. [LAC 33:III.501.C.6]

RLP018 390: ST Sorbathane Unit Vent/Loading

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

332 VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system. [LAC 33:III.2108.C.2]
Which Months: All Year Statistical Basis: None specified

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

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

335 Comply with the requirements of LAC 33:III.2108 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2108 as a result of a revision of LAC 33:III.2108. [LAC 33:III.2108.D.4]

336 Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate. [LAC 33:III.2108.E]

337 Submit test results: Due to the Office of Environmental Assessment, Environmental Technology Division within 45 days of any testing done in accordance with LAC 33:III.2108.E. [LAC 33:III.2108.F.1]

338 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable. [LAC 33:III.2108.F.2]

339 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. [LAC 33:III.2108.G.1]

340 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere. [LAC 33:III.2108.G.2]

RLP018 390: ST Sorbathane Unit Vent/Loading

341 Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order. [LAC 33:III.2108.G.3]

342 The ST Sorbathane Unit shall be operated with the maximum flowrate to the adsorption system of 694 scfm and maximum temperature during adsorption of 200 F (averaged over a one-hour period). The bed temperature and bed inlet gas flowrate shall be monitored and recorded hourly during operation. If either the maximum flowrate or the maximum temperature is exceeded, the unit shall be shut down and loading stopped. The total hours of operation shall be recorded weekly.

The flowrate of the adsorption system and the temperature during adsorption shall be monitored and recorded. The record shall be maintained at site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

A report listing the hours that either the maximum flowrate or maximum temperature was exceeded shall be submitted to the Office of Environmental Compliance, Enforcement Division, by March 31 for the preceding calendar year. [LAC 33:III.501.C.6]

343 Control emissions of air toxic pollutants to a degree that constitutes Maximum Achievable Control Technoloty (MACT). Emissions shall be controlled by carbon adsorption - Determined as MACT. [LAC 33:III.5109.A]

344 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

RLP019 391: ND Ship/Barge Loading Vents

345 This marine loading shall be operated with the nitrogen blanketing of the facility. To maintain the status of the source with emissions less than 10 and 25 tons as defined in 40 CFR 63.561, permittee shall monitor the loading throughput and estimate emissions in according to 40 CFR 63.565(l). Emissions of each individual HAP, as defined in 40 CFR 63.2, shall be no more than 9.9 tons per year calculated annually and emissions of all HAPs combined shall be no more than 24.9 ton per year calculated annually. The annual emissions shall be calculated from October 1 to September 30 of each year, commencing October 1, 2005. The throughput and calculated emissions shall be recorded. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report showing loading throughput and estimated HAP emissions for the preceding year (October 1 to September 30) shall be submitted to Office of Environmental Compliance, Enforcement Division by March 31. [LAC 33:III.501]

346 Comply with recordkeeping requirements of 40 CFR 63.567(j)(4) and the emission estimation requirements of 40 CFR 63.565(l). [LAC 33:III.5109.A]

347 Per 40 CFR 63.560(a)(3), comply only with recordkeeping requirements of 40 CFR 63.567(j)(4) and the emission estimation requirements of 40 CFR 63.565(l) for this existing source with emissions less than 10 and 25 tons as defined in 40 CFR 63.561. [40 CFR 63.560]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LAKE CHARLES COMPLEX – DERIVATIVES DOCKS
AGENCY INTEREST NO. 1255
PPG INDUSTRIES, INC.
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

APPENDIX A. Streamlined Equipment Leaks Monitoring Program Stringency Table

Unit or Plant Site	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
Derivatives Docks	40 CFR 63 Subpart H - HON	≥ 5% VOHAP	40 CFR 63 Subpart H - HON
	40 CFR 61 Subpart V - NESHAP for Equipment Leaks	≥ 10% VCM	
	40 CFR 60 Subparts VV - NSPS for Equipment Leaks of VOC in SOCMI or Refineries	≥ 10% VOC	
	LAC 33:III.2122 - Fugitive Emission Control for Ozone Nonattainment Areas and Specified Parish	≥ 10% VOC	
	LAC 33:III.5109 - Louisiana MACT Determination for Non-HON Sources	≥ 5% VOTAP	

Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services

STATEMENT OF BASIS

Lake Charles Complex – Derivatives Docks
PPG Industries, Inc.
Lake Charles, Calcasieu Parish, Louisiana
Agency Interest Number: 1255
Activity Number: PER19960007
Proposed Permit Number: 2206-V0

I. APPLICANT

Company:
PPG Industries
P. O. Box 1000
Lake Charles, LA 70602

Facility:
Lake Charles Complex – Derivatives Docks
1300 PPG Drive, Lake Charles, Calcasieu Parish, Louisiana
Approximate UTM coordinates are 472.5 kilometers East and 3,343.5 kilometers North in Zone 15

II. FACILITY AND CURRENT PERMIT STATUS

PPG Industries, Inc.'s (PPG's) Lake Charles Complex is located at the intersection of I-10 and Loop I-210 near Westlake, Louisiana. The facility consists of three highly integrated business areas as described below.

- Chlor/Alkali: In this area, chlorine, caustic, and hydrogen are produced through the electrolysis of brine using diaphragm and mercury cell technology.
- Derivatives: In this area, chlorine is combined with ethylene and ethylene derivatives to produce chlorinated hydrocarbons and muriatic acid (hydrochloric acid).
- Silicas: In this area, sand is heated with either caustic or soda ash to produce sodium silicate, from which different grades of products are produced.

Electricity and steam required for the facility operations are produced in the Power/Utilities area. Transfer operations for raw materials and products involve the transfer to and from trucks, ships, barges, tank cars, hopper cars, and drums. Raw materials and products are also transferred via pipeline.

Lake Charles Complex – Derivatives Docks
PPG Industries, Inc.
Lake Charles, Calcasieu Parish, Louisiana
Agency Interest Number: 1255

The whole complex is now organized into the following permitting units/areas: VC Production, Power/Utilities, Silicas, Complex Support Facilities, Chlor/Alkali Plant, Mercury Cells, Derivatives Shipping, Derivatives Docks, Wastewater Treatment Facilities, Greater EDC, Waste Recovery Unit, Per/Tri, TE-2, and Incinerators Area.

The Lake Charles Complex is a designated Part 70 source. Several Part 70 permits have been issued to the operating units within the complex. These include:

Permit No.	Unit or Source	Date Issued
2085-V0	Silicas Unit	12/07/2005
897-V0	VC Production Unit	07/07/2005
2040-V0	Incinerators Area	02/21/2005
2695-V0	TE-2 Unit	02/21/2005
2350-V0	Greater EDC	02/21/2005
2216-V0	Waste Recovery Unit	06/29/2004
2798-V0	Chlor/Alkali Plant	04/15/2003
2229-V0	Derivatives Shipping Facility	04/05/1999
2106-V1	Power/Utilities	05/24/2002

The facility submitted timely applications for initial Part 70 permits for other units in the complex, which continuous to operate under the state permits listed below or under Grandfather status.

Permit No.	Unit or Source	Date Issued
2231	Mercury Cells	11/8/1993
2206	Derivatives Dock Facility	8/18/1993
2269	Wastewater Treatment Unit	7/21/1994
2270	Per/Tri Unit	7/21/1994
2297	North Dock Facility	2/2/1995
2359	Fuel Storage Tanks	12/27/1995
1476T (M-2)	Classifier and Derivatives Fugitives	6/7/1996
2454	DH Product Tank	2/12/1997
2597	Derivatives Dock Facilities	2/26/1999
2645	Per/Tri Unit – Storage Tank	11/9/1999
2521 (M-1)	Vapor Recovery Tanks	9/19/2000
2681	Per/Tri Unit Feed Tank	10/03/2000
2682	Emergency Generators	10/11/2000
2727	Per/Tri Unit Still Line Feed Tank	6/19/2001
2752	Abrasive Blast Booth	10/12/2001
2817	Tank 6301	9/20/2002

Permit No.	Unit or Source	Date Issued
2828	Per/Tri Unit – Feed Tank	12/5/2002

In addition, PSD Permits PSD-LA-642 (11/23/1999) and PSD-LA-637 (M-1) (5/24/2002) and Acid Rain Permit 2646-IV0 (12/18/2000) were also issued to the complex.

III. PROPOSED PROJECT/PERMIT INFORMATION

Project

No project is proposed with this permit action.

Application

A permit application dated October 11, 1996 was submitted requesting a Part 70 operating permit for the Derivatives Docks. The application was subsequently revised on September 23, 2003 and December 21, 2004. The proposed permit is based on the application dated December 21, 2004.

Proposed Permits

Permit 2206-V0 will be the initial Part 70 operating permit for the Derivatives Docks. This proposed permit includes all related terms and conditions permitted under the state permits (Permit 2206, issued August 18, 1993, Permit 2297, issued February 2, 1995, Permit 2597, issued February 26, 1999, and Permit 2521 (M-1), issued September 21, 2000) for the Derivatives Docks.

Permitted Air Emissions

The proposed emission changes for the derivatives Docks are (in tons per year):

Pollutant	Before	After	Change
PM_{10}	0.15	0.34	+ 0.19
SO_2	0.03	0.03	-
NO_X	6.90	9.40	+ 2.50
CO	1.70	4.54	+ 2.84
VOC	39.77	18.73	- 21.04

No project is proposed for the Derivatives Docks. Emissions from the facility are recalculated with newly available information and an emissions cap (ND CAP) is added for emissions from the storage tanks in the Derivatives Docks area.

Lake Charles Complex – Derivatives Docks
PPG Industries, Inc.
Lake Charles, Calcasieu Parish, Louisiana
Agency Interest Number: 1255

Type of Review

The application was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) review does not apply.

Streamlined Equipment Leak Monitoring Program

It is required that the Derivatives Docks comply with a streamlined equipment leak monitoring program. Compliance with the streamlined program shall serve to comply with each of the fugitive emission monitoring programs being streamlined.

Fugitive emissions from the Derivatives Docks are subject to requirements of 40 CFR 63 Subpart H, 40 CFR 61 Subpart V, 40 CFR 60 Subpart VV, LAC 33:III.2122, and LAC 33:III.5109. Among these regulations, 40 CFR 63 Subpart H is the overall most stringent program. Therefore, fugitive emissions shall be monitored as required by this program (40 CFR 63 Subpart H).

Unit or Plant Site	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
Derivatives Docks	40 CFR 63 Subpart H – HON	≥ 5% VOHAP	40 CFR 63 Subpart H – HON
	40 CFR 61 Subpart V – NESHAP for Equipment Leaks	≥ 10% VCM	
	40 CFR 60 Subparts VV – NSPS for Equipment Leaks of VOC in SOCMI or Refineries	≥ 10% VOC	
	LAC 33:III.2122 – Fugitive Emission Control for Ozone Nonattainment Areas and Specified Parish	≥ 10% VOC	
	LAC 33:III.5109 – Louisiana MACT Determination for Non-HON Sources	≥ 5% VOTAP	

MACT Requirements

The ST Ethylene Vaporizer is subject to 40 CFR 63 Subpart DDDDD – Industrial, Commercial and Institutional Boilers. However, this source is only required to comply with notification requirements of 40 CFR 63.9(b) per 40 CFR 63.7506(b)(1) since the vaporizer is an existing source and burns only gaseous fuels.

The storage vessels (EQT141 through EQT150 and EQT154 through EQT166) are subject to 40 CFR Part 63 Subpart G and are required to comply with all applicable requirements of this subpart.

The ND Ship/Barge Loading (RLP019), which is an existing source with emissions less than 10 and 25 tons as defined in 40 CFR 63.561, is only subject to the recordkeeping requirements of 40 CFR 63.567(j)(4) and the emission estimation requirements of 40 CFR 63.565(l). A specific condition is included in the permit for the Derivative Docks to maintain the ND Ship/Barge Loading a source with emissions less than 10 and 25 tons. The loading material (EDC) routed to the Sorbathane Unit (RLP018) has a vapor pressure below 1.5 psia at standards conditions. Therefore, the loading operations of this material are not subject to 40 CFR Part 63, Subpart Y.

As indicated above (Streamlined Equipment Leak Monitoring Program), the fugitive emissions from the Derivatives Docks are under a streamlined equipment leak program. The fugitive emissions from this area shall be monitored as required by 40 CFR Part 63, Subpart H.

Air Quality Analysis

Since there is no project proposed with this permit action, air quality analysis is not conducted.

General Condition XVII Activities

The facility will comply with the applicable General Condition XVII Activities emissions as required by the operating permit rule. However, General Condition XVII Activities are not subject to testing, monitoring, reporting or recordkeeping requirements. For a list of approved General Condition XVII Activities, refer to the Section VIII – General Condition XVII Activities of the proposed permit.

Insignificant Activities

All Insignificant Activities are authorized under LAC 33:III.501.B.5. For a list of approved Insignificant Activities, refer to the Section IX – Insignificant Activities of the proposed permit.

Regulatory Analysis

The applicability of the appropriate regulations is straightforward and provided in the Specific Requirements section of the proposed permit. Similarly, the Monitoring, Reporting and Recordkeeping necessary to demonstrate compliance with the applicable terms, conditions and standards are also provided in the Specific Requirements section of the proposed permit.

IV. PERMIT SHIELDS

Per 40 CFR 60.6(f) and LAC 33:III.507.I, permit shields have been determined for the proposed permit. The details of the permit shield are given in the Permit Shield section of the proposed permit.

V. PERIODIC MONITORING

No additional periodic monitoring is required.

VI. GLOSSARY

Carbon Monoxide (CO) – A colorless, odorless gas, which is an oxide of carbon.

Maximum Achievable Control Technology (MACT) – The maximum degree of reduction in emissions of each air pollutant subject to LAC 33:III.Chapter 51 (including a prohibition on such emissions, where achievable) that the administrative authority, upon review of submitted MACT compliance plans and other relevant information and taking into consideration the cost of achieving such emission reduction, as well as any non-air-quality health and environmental impacts and energy requirements, determines is achievable through application of measures, processes, methods, systems, or techniques.

Hydrogen Disulfide (H_2S) – A colorless inflammable gas having the characteristic odor of rotten eggs, and found in many mineral springs. It is produced by the action of acids on metallic sulfides, and is an important chemical reagent.

New Source Review (NSR) – A preconstruction review and permitting program applicable to new or modified major stationary sources of air pollutants regulated under the Clean Air Act (CAA). NSR is required by Parts C ("Prevention of Significant Deterioration of Air Quality") and D ("Nonattainment New Source Review").

Nitrogen Oxides (NO_X) – Compounds whose molecules consist of nitrogen and oxygen.

Organic Compound – Any compound of carbon and another element. Examples: Methane (CH_4), Ethane (C_2H_6), Carbon Disulfide (CS_2)

Part 70 Operating Permit – Also referred to as a Title V permit, required for major sources as defined in 40 CFR 70 and LAC 33:III.507. Major sources include, but are not limited to, sources which have the potential to emit: $\geq$ 10 tons per year of any toxic air pollutant; $\geq$ 25 tons of total toxic air pollutants; and $\geq$ 100 tons per year of regulated pollutants (unless regulated solely under 112(r) of the Clean Air Act) (25 tons per year for sources in non-attainment parishes).

PM_{10} – Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers as measured by the method in Title 40, Code of Federal Regulations, Part 50, Appendix J.

Potential to Emit (PTE) – The maximum capacity of a stationary source to emit any air pollutant under its physical and operational design.

Prevention of Significant Deterioration (PSD) – A New Source Review permitting program for major sources in geographic areas that meet the National Ambient Air Quality Standards (NAAQS) at 40 CFR Part 50. PSD requirements are designed to ensure that the air quality in attainment areas will not degrade.

Sulfur Dioxide (SO_2) – An oxide of sulfur.

Sulfuric Acid (H_2SO_4) – A highly corrosive, dense oily liquid. It is a regulated toxic air pollutant under LAC 33:III.Chapter 51.

Title V Permit – See Part 70 Operating Permit.

Volatile Organic Compound (VOC) – Any organic compound, which participates in atmospheric photochemical reactions; that is, any organic compound other than those, which the administrator of the U.S. Environmental Protection Agency designates as having negligible photochemical reactivity.

Qingming Zhang

From: Miller, Steve (Lake Charles) [smiller@ppg.com]
Sent: Friday, December 16, 2005 12:52 PM
To: Qingming Zhang
Subject: Derivatives Docks Permit No. 2206-V0

docks corrected ND cap eiqs.do...

Dr. Qingming Zhang,

Attached are the EIQ sheets you requested for the Derivatives Docks permit. Please let me know if you have any questions.

<<docks corrected ND cap eiqs.doc>>

Thanks for your help,

Steve Miller
(337) 708-4486
smiller@ppg.com
53-864

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LOUISIANA

SINGLE POINT SOURCE/AREA SOURCE

Emission Inventory Questionnaire (EIQ)

for Air Pollutants

Company Name	Plant location and name (if any)	Date of Submittal
PPG Industries	Lake Charles Complex	12/15/2005

Point ID Number	Descriptive name of the equipment served by this stack or vent	Location of stack or vent (see instruction on how to determine location of area sources)
ND Cap	North Dock Cap	UTM zone no. ___X___ 15 Horizontal coordinate mE _____ 16 Vertical coordinate mN

Stack and Discharge Physical Characteristics	Height of stack above ground (ft)	Diameter (ft) or stack discharge area (ft²)	Stack gas exit temperature (°F)	Stack gas flow at process conditions not at standard (ft³/min)	Stack gas exit velocity (ft/sec)	For tanks, list volume (gals)
(Change _____ Yes ___X___ No)		ft ft²	10	1.0	0.19	Multiple Tanks Construction Date

Fuel	Type of fuel used and heat input (see instructions)			Operating Characteristics	Percent of annual throughput of pollutants through this emission point				Normal operating time of this point			Normal operating rate
		Type of fuel	Heat input (MMBtu/hr)		Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	hrs/day or hrs/year	days/ week	weeks/ year	
	a	N/A	0.00									N/A
	b	0	0.00		25	25	25	25	8760			
	c	0	0.00									

Air Pollutant Specific Information

Pollutant	Control equipment code	Control equipment efficiency	Emission Rate *** Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)	Emission estimation method	Add, change, or delete code	Concentrations in gases existing at stack
AIR TOXIC VOCs:								
1,2 - Dichloroethane (Ethylene Dichloride)	073	98.0	0.54		2.38	3,5	Change	
1,1,2,2 - Tetrachloroethane	073	98.0	0.050		0.22	3,5	Change	
1,1,2 - Trichloroethane	073	98.0	1.13		4.97	3,5	Change	
Trichloroethylene	073	98.0	1.08		4.71	3,5	Change	
TOTAL AIR TOXIC VOCs			2.80		12.28			
SARA VOCs								
Pentachloroethane	073	98.0	0.025		0.11	3,5	Change	
1,1,1,2 - Tetrachloroethane	073	98.0	0.28		1.23	3,5	Change	
TOTAL SARA VOCs			0.31		1.34			
OTHER VOCs (Includes Dioxolane)	073	98.0	0.002		0.01	3,5	Change	
AIR TOXIC NON-VOCs								
1,1,1-Trichloroethane (Methyl Chloroform)	073	98.0	2.07		9.07	3,5	Change	
Tetrachloroethylene (Perchloroethylene)	073	98.0	6.06		26.56	3,5	Change	
TOTAL AIR TOXIC NON-VOCs			8.13		35.63			

*** These emission limits represent a total limit for emission points EIQs 313, 325, 327A, 327B, 327C, 330 included in the North Dock Cap. These represent storage tanks at the North Dock area of PPG's complex.

LOUISIANA

SINGLE POINT SOURCE/AREA SOURCE

Emission Inventory Questionnaire (EIQ)

for Air Pollutants

Company Name	Plant location and name (if any)	Date of Submittal
PPG Industries	Lake Charles Complex	12/15/2005

Point ID Number	Descriptive name of the equipment served by this stack or vent	Location of stack or vent (see instruction on how to determine location of area sources)
313	ND EDC/TCE Storage Tank No. 1 and 2	UTM zone no. ___X___ 15 Horizontal coordinate 473109 mE _____ 16 Vertical coordinate 3343494 mN

Stack and Discharge Physical Characteristics	Height of stack above ground (ft)	Diameter (ft) or stack discharge area (ft^2)	Stack gas exit temperature (°F)	Stack gas flow at process conditions not at standard (ft^3/min)	Stack gas exit velocity (ft/sec)	For tanks, list volume (gals)
(Change _____ Yes ___X___ No)	8	0.3 ft 0.09 ft^2	10	1.0	0.19	469,000 Construction Date 1960

Fuel	Type of fuel used and heat input (see instructions)			Operating Characteristics	Percent of annual throughput of pollutants through this emission point				Normal operating time of this point			Normal operating rate
		Type of fuel	Heat input (MMBtu/hr)		Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	hrs/day or hrs/year	days/ week	weeks/ year	
	a	N/A	0.00									N/A
	b	0	0.00		25	25	25	25	8760			
	c	0	0.00									

Air Pollutant Specific Information

Pollutant	Control equipment code	Control equipment efficiency	Emission Rate *** Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)	Emission estimation method	Add, change, or delete code	Concentrations in gases existing at stack
AIR TOXIC VOCs:								
1,2 - Dichloroethane (Ethylene Dichloride)	073	98.0		0.65		3,5	Change	
1,1,2,2 - Tetrachloroethane	073	98.0		0.06		3,5	Change	
1,1,2 - Trichloroethane	073	98.0		1.36		3,5	Change	
Trichloroethylene	073	98.0		1.29		3,5	Change	
TOTAL AIR TOXIC VOCs				3.36				
SARA VOCs								
Pentachloroethane	073	98.0		0.030		3,5	Change	
1,1,1,2 - Tetrachloroethane	073	98.0		0.34		3,5	Change	
TOTAL SARA VOCs				0.37				
OTHER VOCs (Includes Dioxolane)	073	98.0		0.003		3,5	Change	
AIR TOXIC NON-VOCs								
1,1,1-Trichloroethane (Methyl Chloroform)	073	98.0		3.31		3,5	Change	
Tetrachloroethylene (Perchloroethylene)	073	98.0		3.62		3,5	Change	
TOTAL AIR TOXIC NON-VOCs				6.93				

*** These emission limits represent a total limit for emission points EIQs 313, 325, 327A, 327B, 327C, 330 included in the North Dock Cap. These represent storage tanks at the North Dock area of PPG's complex. This individual EIQ will contribute only a portion of these total emissions.

LOUISIANA

SINGLE POINT SOURCE/AREA SOURCE

Emission Inventory Questionnaire (EIQ)

for Air Pollutants

Company Name	Plant location and name (if any)	Date of Submittal
PPG Industries	Lake Charles Complex	12/15/2005

Point ID Number	Descriptive name of the equipment served by this stack or vent	Location of stack or vent (see instruction on how to determine location of area sources)
325	MC Dock Storage Vent Absorber	UTM zone no. X 15 Horizontal coordinate 473116 mE 16 Vertical coordinate 3343642 mN

Stack and Discharge Physical Characteristics	Height of stack above ground (ft)	Diameter (ft) or stack discharge area (ft^2)	Stack gas exit temperature (°F)	Stack gas flow at process conditions not at standard (ft^3/min)	Stack gas exit velocity (ft/sec)	For tanks, list volume (gals)
(Change ____ Yes X No)	57	0.5 ft 0.20 ft^2	20	3.80	0.32	1,307,000 Construction Date 1962/1976

Fuel	Type of fuel used and heat input (see instructions)			Operating Characteristics	Percent of annual throughput of pollutants through this emission point				Normal operating time of this point			Normal operating rate
		Type of fuel	Heat input (MMBtu/hr)		Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	hrs/day or hrs/year	days/ week	weeks/ year	
	a	N/A	0.00									N/A
	b	0	0.00		25	25	25	25	8760			
	c	0	0.00									

Air Pollutant Specific Information

Pollutant	Control equipment code	Control equipment efficiency	Emission Rate *** Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)	Emission estimation method	Add, change, or delete code	Concentrations in gases existing at stack
AIR TOXIC VOCs:								
1,2 - Dichloroethane (Ethylene Dichloride)	073	0.0		0.65		3,5	Change	
1,1,2,2 - Tetrachloroethane	073	0.0		0.06		3,5	Change	
1,1,2 - Trichloroethane	073	0.0		1.36		3,5	Change	
Trichloroethylene	073	0.0		1.29		3,5	Change	
TOTAL AIR TOXIC VOCs				3.36				
SARA VOCs								
Pentachloroethane	073	0.0		0.030		3,5	Change	
1,1,1,2 - Tetrachloroethane	073	0.0		0.337		3,5	Change	
TOTAL SARA VOCs				0.37				
OTHER VOCs (Includes Dioxolane)	073	0.0		0.00		3,5	Change	
AIR TOXIC NON-VOCs								
1,1,1-Trichloroethane (Methyl Chloroform)	073	0.0		3.31		3,5	Change	
Tetrachloroethylene (Perchloroethylene)	073	0.0		3.62		3,5	Change	
TOTAL AIR TOXIC NON-VOCs				6.93				

*** These emission limits represent a total limit for emission points EIQs 313, 325, 327A, 327B, 327C, 330 included in the North Dock Cap. These represent storage tanks at the North Dock area of PPG's complex. This individual EIQ will contribute only a portion of these total emissions.

LOUISIANA

SINGLE POINT SOURCE/AREA SOURCE

Emission Inventory Questionnaire (EIQ)

for Air Pollutants

Company Name	Plant location and name (if any)	Date of Submittal
PPG Industries	Lake Charles Complex	12/15/2005

Point ID Number	Descriptive name of the equipment served by this stack or vent	Location of stack or vent (see instruction on how to determine location of area sources)
327A	No. 1 Per Dock Storage Tank	UTM zone no. ___X___ 15 Horizontal coordinate 473158 mE _____ 16 Vertical coordinate 3343592 mN

Stack and Discharge Physical Characteristics	Height of stack above ground (ft)	Diameter (ft) or stack discharge area (ft^2)	Stack gas exit temperature (°F)	Stack gas flow at process conditions not at standard (ft^3/min)	Stack gas exit velocity (ft/sec)	For tanks, list volume (gals)
(Change _____ Yes ___X___ No)	30	1.33 ft 1.39 ft^2	Ambient	0.09	0.0	433,166 Construction Date 1964

Fuel	Type of fuel used and heat input (see instructions)			Operating Characteristics	Percent of annual throughput of pollutants through this emission point				Normal operating time of this point			Normal operating rate
		Type of fuel	Heat input (MMBtu/hr)		Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	hrs/day or hrs/year	days/ week	weeks/ year	
	a	N/A	0.00									N/A
	b	0	0.00		25	25	25	25	8760			
	c	0	0.00									

Air Pollutant Specific Information

Pollutant	Control equipment code	Control equipment efficiency	Emission Rate *** Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)	Emission estimation method	Add, change, or delete code	Concentrations in gases existing at stack
AIR TOXIC VOCs:								
1,2 - Dichloroethane (Ethylene Dichloride)	088	0.0		0.65		3,5	Change	
1,1,2,2 - Tetrachloroethane	088	0.0		0.06		3,5	Change	
1,1,2 - Trichloroethane	088	0.0		1.36		3,5	Change	
Trichloroethylene	088	0.0		1.29		3,5	Change	
TOTAL AIR TOXIC VOCs				3.38				
SARA VOCs								
Pentachloroethane	088	0.0		0.030		3,5	Change	
1,1,1,2 - Tetrachloroethane	088	0.0		0.337		3,5	Change	
TOTAL SARA VOCs				0.37				
OTHER VOCs (Includes Dioxolane)	088	0.0		0.00		3,5	Change	
AIR TOXIC NON-VOCs								
1,1,1 - Trichloroethane (Methyl Chloroform)	088	0.0		3.31		3,5	Change	
Tetrachloroethylene (Perchloroethylene)	088	0.0		3.62		3,5	Change	
TOTAL AIR TOXIC NON-VOCs				6.93				

*** These emission limits represent a total limit for emission points EIQs 313, 325, 327A, 327B, 327C, 330 included in the North Dock Cap. These represent storage tanks at the North Dock area of PPG's complex. This individual EIQ will contribute only a portion of these total emissions.

LOUISIANA

SINGLE POINT SOURCE/AREA SOURCE

Emission Inventory Questionnaire (EIQ)

for Air Pollutants

Company Name	Plant location and name (if any)	Date of Submittal
PPG Industries	Lake Charles Complex	12/15/2005

Point ID Number	Descriptive name of the equipment served by this stack or vent	Location of stack or vent (see instruction on how to determine location of area sources)
327B	No. 2 Per Dock Storage Tank	UTM zone no. ___X___ 15 Horizontal coordinate 473139 mE _____ 16 Vertical coordinate 3343571 mN

Stack and Discharge Physical Characteristics	Height of stack above ground (ft)	Diameter (ft) or stack discharge area (ft^2)	Stack gas exit temperature (°F)	Stack gas flow at process conditions not at standard (ft^3/min)	Stack gas exit velocity (ft/sec)	For tanks, list volume (gals)
(Change ____ Yes ___X___ No)	30	1.33 ft 1.39 ft^2	Ambient	0.09	0.0	433,166 Construction Date 1966

Fuel	Type of fuel used and heat input (see instructions)			Operating Characteristics	Percent of annual throughput of pollutants through this emission point				Normal operating time of this point			Normal operating rate
		Type of fuel	Heat input (MMBtu/hr)		Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	hrs/day or hrs/year	days/ week	weeks/ year	
	a	N/A	0.00									N/A
	b	0	0.00		25	25	25	25	8760			
	c	0	0.00									

Air Pollutant Specific Information

Pollutant	Control equipment code	Control equipment efficiency	Emission Rate *** Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)	Emission estimation method	Add, change, or delete code	Concentrations in gases existing at stack
AIR TOXIC VOCs:								
1,2 - Dichloroethane (Ethylene Dichloride)	088	0.0		0.65		3,5	Change	
1,1,2,2 - Tetrachloroethane	088	0.0		0.06		3,5	Change	
1,1,2 - Trichloroethane	088	0.0		1.36		3,5	Change	
Trichloroethylene	088	0.0		1.29		3,5	Change	
TOTAL AIR TOXIC VOCs				3.36				
SARA VOCs								
Pentachloroethane	088	0.0		0.030		3,5	Change	
1,1,1,2 - Tetrachloroethane	088	0.0		0.337		3,5	Change	
TOTAL SARA VOCs				0.37				
OTHER VOCs (Includes Dioxolane)	088	0.0		0.00		3,5	Change	
AIR TOXIC NON-VOCs								
1,1,1 - Trichloroethane (Methyl Chloroform)	088	0.0		3.31		3,5	Change	
Tetrachloroethylene (Perchloroethylene)	088	0.0		3.62		3,5	Change	
TOTAL AIR TOXIC NON-VOCs				6.93				

*** These emission limits represent a total limit for emission points EIQs 313, 325, 327A, 327B, 327C, 330 included in the North Dock Cap. These represent storage tanks at the North Dock area of PPG's complex. This individual EIQ will contribute only a portion of these total emissions.

LOUISIANA

SINGLE POINT SOURCE/AREA SOURCE

Emission Inventory Questionnaire (EIQ)

for Air Pollutants

Company Name	Plant location and name (if any)	Date of Submittal
PPG Industries	Lake Charles Complex	12/15/2005

Point ID Number	Descriptive name of the equipment served by this stack or vent	Location of stack or vent (see instruction on how to determine location of area sources)
327C	No. 3 Per Dock Storage Tank	UTM zone no. ___X___ 15 Horizontal coordinate 473178 mE _____ 16 Vertical coordinate 3343581 mN

Stack and Discharge Physical Characteristics	Height of stack above ground (ft)	Diameter (ft) or stack discharge area (ft^2)	Stack gas exit temperature (°F)	Stack gas flow at process conditions not at standard (ft^3/min)	Stack gas exit velocity (ft/sec)	For tanks, list volume (gals)
(Change _____ Yes ___X___ No)	30	1.33 ft 1.39 ft^2	Ambient	0.09	0.0	433,166 Construction Date 1971

Fuel	Type of fuel used and heat input (see instructions)			Operating Characteristics	Percent of annual throughput of pollutants through this emission point				Normal operating time of this point			Normal operating rate
		Type of fuel	Heat input (MMBtu/hr)		Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	hrs/day or hrs/year	days/ week	weeks/ year	
	a	N/A	0.00									N/A
	b	0	0.00		25	25	25	25	8760			
	c	0	0.00									

Air Pollutant Specific Information

Pollutant	Control equipment code	Control equipment efficiency	Emission Rate *** Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)	Emission estimation method	Add, change, or delete code	Concentrations in gases existing at stack
AIR TOXIC VOCs:								
1,2 - Dichloroethane (Ethylene Dichloride)	088	0.0		0.65		3,5	Change	
1,1,2,2 - Tetrachloroethane	088	0.0		0.06		3,5	Change	
1,1,2 - Trichloroethane	088	0.0		1.36		3,5	Change	
Trichloroethylene	088	0.0		1.29		3,5	Change	
TOTAL AIR TOXIC VOCs				3.36				
SARA VOCs								
Pentachloroethane	088	0.0		0.030		3,5	Change	
1,1,1,2 - Tetrachloroethane	088	0.0		0.337		3,5	Change	
TOTAL SARA VOCs				0.37				
OTHER VOCs (Includes Dioxolane)	088	0.0		0.00		3,5	Change	
AIR TOXIC NON-VOCs								
1,1,1 - Trichloroethane (Methyl Chloroform)	088	0.0		3.31		3,5	Change	
Tetrachloroethylene (Perchloroethylene)	088	0.0		3.62		3,5	Change	
TOTAL AIR TOXIC NON-VOCs				6.93				

*** These emission limits represent a total limit for emission points EIQs 313, 325, 327A, 327B, 327C, 330 included in the North Dock Cap. These represent storage tanks at the North Dock area of PPG's complex. This individual EIQ will contribute only a portion of these total emissions.

LOUISIANA

SINGLE POINT SOURCE/AREA SOURCE

Emission Inventory Questionnaire (EIQ)

for Air Pollutants

Company Name	Plant location and name (if any)	Date of Submittal
PPG Industries	Lake Charles Complex	12/15/2005

Point ID Number	Descriptive name of the equipment served by this stack or vent	Location of stack or vent (see instruction on how to determine location of area sources)
330	Per/Trl Dock Storage Tanks	UTM zone no. X 15 Horizontal coordinate 473150 mE 16 Vertical coordinate 3343598 mN

Stack and Discharge Physical Characteristics	Height of stack above ground (ft)	Diameter (ft) or stack discharge area (ft²)	Stack gas exit temperature (°F)	Stack gas flow at process conditions not at standard (ft³/min)	Stack gas exit velocity (ft/sec)	For tanks, list volume (gals)
(Change ____ Yes X No)	32	3.28 ft 8.45 ft²	14.7	0.19	0.00	430,000 Construction Date 1964/1966/1971

Fuel	Type of fuel used and heat input (see instructions)			Operating Characteristics	Percent of annual throughput of pollutants through this emission point				Normal operating time of this point			Normal operating rate
		Type of fuel	Heat Input (MMBtu/hr)		Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	hrs/day or hrs/year	days/ week	weeks/ year	
	a	N/A	0.00									N/A
	b	0	0.00		25	25	25	25	8760			
	c	0	0.00									

Air Pollutant Specific Information

Pollutant	Control equipment code	Control equipment efficiency	Emission Rate *** Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)	Emission estimation method	Add, change, or delete code	Concentrations in gases existing at stack
AIR TOXIC VOCs:								
1,2 - Dichloroethane (Ethylene Dichloride)	073	0.0		0.65		3,5	Change	
1,1,2,2 - Tetrachloroethane	073	0.0		0.06		3,5	Change	
1,1,2 - Trichloroethane	073	0.0		1.36		3,5	Change	
Trichloroethylene	073	0.0		1.29		3,5	Change	
TOTAL AIR TOXIC VOCs				3.36				
SARA VOCs								
Pentachloroethane	073	0.0		0.030		3,5	Change	
1,1,1,2 - Tetrachloroethane	073	0.0		0.337		3,5	Change	
TOTAL SARA VOCs				0.37				
OTHER VOCs (Includes Dioxolane)	073	0.0		0.00		3,5	Change	
AIR TOXIC NON-VOCs								
1,1,1 - Trichloroethane (Methyl Chloroform)	073	0.0		3.31		3,5	Change	
Tetrachloroethylene (Perchloroethylene)	073	0.0		3.62		3,5	Change	
TOTAL AIR TOXIC NON-VOCs				6.93				

*** These emission limits represent a total limit for emission points EIQs 313, 325, 327A, 327B, 327C, 330 included in the North Dock Cap. These represent storage tanks at the North Dock area of PPG's complex. This individual EIQ will contribute only a portion of these total emissions.

State of Louisiana

Department of Environmental Quality

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Activity No.: PER19960006
Agency Interest No. 1255

Mr. Jonathon Manns
Plant Manager
PPG Industries, Inc.
P. O. Box 1000
Lake Charles, LA 70602

RE: Part 70 Operating Permit, Lake Charles Complex – Complex Support Facilities, PPG Industries, Inc., Lake Charles, Calcasieu Parish, Louisiana

Dear Mr. Manns:

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

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

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2010, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2005.

Permit No.: 2359-V0

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:QMZ
cc: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
PPG INDUSTRIES
LAKE CHARLES COMPLEX
PROPOSED INITIAL PART 70 AIR OPERATING PERMITS FOR DERIVATIVES DOCKS / COMPLEX SUPPORT FACILITIES
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL FOR DERIVATIVES SHIPPING FACILITY

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed initial Part 70 air operating permits and proposed Part 70 air operating permit renewal for PPG Industries, Inc., P. O. Box 1000, Lake Charles, LA 70602 for the Lake Charles Complex. **The facility is located at 1300 PPG Drive in Lake Charles, Calcasieu Parish.**

The facility consists of three highly integrated business areas, the Chlor/Alkali area where chlorine, caustic and hydrogen are produced, the Derivatives area where chlorinated hydrocarbons and muriatic acid are produced and the Silicas area where sodium silicate is produced and used for the production of different grades of products.

PPG Industries requested initial Part 70 air operating permits for its Derivatives Docks and Complex Support Facilities and a Part 70 air operating permit renewal for its Derivatives Shipping Facility. Newly available emission data has been used in the emission calculations for these permits. Estimated emissions are summarized below by unit/area (in tons per year).

For the Derivative Docks:

Pollutant	Before	After	Change
PM_{10}	0.15	0.34	+ 0.19
SO_2	0.03	0.03	-
NO_X	6.90	9.40	+ 2.50
CO	1.70	4.54	+ 2.84
VOC	39.77	18.73	- 21.04
Ammonia	-	0.60	+ 0.60
1,1,1-Trichloroethane	52.75	22.18	- 30.57
Tetrachloroethylene	11.81	27.93	+ 16.12

Note: A notice requesting public comment on the proposed permit for the Derivatives Docks was published in *The Advocate*, Baton Rouge, and in the *American Press*, Lake Charles, on September 16, 2005. The proposed permit for the Derivatives Docks is noticed again for the tetrachloroethylene emission correction from 14.59 tons per year to 27.93 tons per year.

For Complex Support Facilities:

Pollutant	Before	After*	Change
PM_{10}	4.89	6.70	+ 1.81
SO_2	-	1.69	+ 1.69
NO_X	-	25.50	+ 25.50
CO	-	5.50	+ 5.50
VOC	5.50	5.54	+ 0.04

* Including emissions from sources that were previously grandfathered.

For Derivatives Shipping Facility:

Pollutant	Before	After	Change
PM_{10}	-	-	-
SO_2	-	-	-
NO_X	-	-	-
CO	-	-	-
VOC	1.12	1.00	- 0.12

Note: No project is proposed with this Part 70 air operating permit renewal. The emission rate change shown above reflects that the TCE Drum Loading Facility will no longer transfer trans-1,2- dichloroethylene.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Tuesday, February 7, 2006.** Written comments will be considered prior to a final permit decision.

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

The applications, proposed permits and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). An additional copy may be reviewed at Calcasieu Parish Public Library, Sulphur Regional Branch, 1160 Cypress Street, Sulphur, LA.

Inquiries or requests for additional information regarding this permit action should be directed to Dr. Qingming Zhang, LDEQ, Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3140.

Persons wishing to be included on the LDEQ permit public notice mailing list should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3276, or by email at maillistrequest@ldeq.org.

Permit public notices can be viewed on the LDEQ Permits public Web page at WWW.deq.state.la.us/news/PubNotice/.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify the appropriate permit identifiers:
AI 1255, Permit Number 2206-V0, Activity Number PER19960007 – Derivatives Docks
AI 1255, Permit Number 2359-V0, Activity Number PER19960006 – Complex Support Facilities
AI 1255, Permit Number 2229-V1, Activity Number PER20030012 – Derivatives Shipping Facility

Publication date: January 3, 2006
form_1004_r00

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

LAKE CHARLES COMPLEX – COMPLEX SUPPORT FACILITIES
AGENCY INTEREST NO. 1255
PPG INDUSTRIES, INC.
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

I. Background

The Lake Charles Complex is a chemical manufacturing facility. It is organized into the following units/areas: VC Production, Power/Utilities, Silicas, Complex Support Facilities, Chlor/Alkali Plant, Mercury Cells, Derivatives Docks, Derivatives Shipping, Wastewater Treatment Facilities, Greater EDC, Waste Recovery Unit, Per/Tri, TE-2, and Incinerators Area.

This Part 70 operating permit covers the Complex Support Facilities. Terms and conditions of the Permit 2359, dated December 27, 1995, and Permit 2752, dated October 12, 2001, issued to the Complex Support Facilities have been incorporated into this permit.

II. Origin

A permit application dated October 11, 1996 was submitted requesting a Part 70 operating permit for the reference facility. The application was revised on September 6, 2002. Additional information dated May 5, 2005 was also received.

III. Description

The Complex Support Facilities consist of sections that support the daily operations of the PPG's Lake Charles Complex. The Main Shop, Plant C Shop, Garage, Fire Water System, and Main Lab areas comprise the major areas of the Complex Support Facilities. All of the refrigeration units subject to 40 CFR Part 82 in the Lake Charles Complex are also included in the Complex Support Facilities.

Main Shop

The Main Shop performs maintenance on a variety of equipment including rotating equipment, electric motors, safety relief valves, instrumentation, and other miscellaneous items.

Plant C Shop

This shop performs metal fabrication and repair functions. A satellite fuel station exists at this shop. A painting and blasting area also is located near this area.

Garage

The Garage performs routine maintenance of the facility vehicles. This area is responsible for the complex fuel storage area. This garage area also contains the carpenter shop, mobile lubrication equipment, and a painting booth.

Fire Water System

The fire water system consists of diesel pumps and pipelines that supply water for extinguishing fires in the facility. This water supply is also used as a backup during maintenance or power loss events.

Main Lab

The Main Lab provides laboratory support to the process units. It supplies technical support and process analysis, provides quality assurance and customer assistance, conducts environmental sampling and support as well as other miscellaneous activities requiring laboratory services.

No project is proposed with this permit. Emission points under the Grandfathered status within the Complex Support Facilities are included in this operating permit. Estimated emissions in tons per year are as follows:

Pollutant	Before	After*	Change
PM_{10}	4.89	6.70	+ 1.81
SO_2	-	1.69	+ 1.69
NO_X	-	25.50	+ 25.50
CO	-	5.50	+ 5.50
VOC	5.50	5.54	+ 0.04

* Including emissions from sources that were previously grandfathered.

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

Pollutant	Before	After	Change
Benzene	0.03	0.04	+ 0.01
Total	0.03	0.04	+ 0.01

Other VOC (TPY): 5.50

Non-VOC TAPs in TPY:	
Ammonia	6.63
Chlorine	0.01
Tetrachloroethylene	10.93

IV. Type of Review

This permit was reviewed for compliance with the Louisiana Air Quality Regulations, 40 CFR 70, and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) and Prevention of Significant Deterioration (PSD) do not apply.

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

V. Credible Evidence

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

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **<date>**, 2005; and in the <local paper>, <local town>, on **<date>**, 2005. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **<date>**. The draft permit was also submitted to US EPA Region VI on **<date>**. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: <None>

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

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates – TPY
O3 – Disconnecting Loading/Unloading Hoses	1 time/week	VOC: < 0.01
M1 – Clearing Pumps	10 times/year	VOC: < 0.01
M2 – Clearing Miscellaneous Piping	40 pipes/week	VOC: 0.02
M4 – Clearing Tanks	8 times/year	VOC: 0.31
M12 – Clearing Machines	11 times/year	VOC: 1.13

IX. Insignificant Activities

ID No.	Description	Citation
	Main Lab Sample Pot (85 gal.)	LAC 33:III.501.B.5.A.2
	A Dock Diesel Tank (990 gal.)	LAC 33:III.501.B.5.A.3
	E Dock Diesel Tank (560 gal.)	LAC 33:III.501.B.5.A.3
	C Shop Diesel Tank (440 gal.)	LAC 33:III.501.B.5.A.3
	Firewater Pump No. 1 Diesel Tank (450 gal.)	LAC 33:III.501.B.5.A.3
	Firewater Pump No. 2 Diesel Tank (850 gal.)	LAC 33:III.501.B.5.A.3
	Firewater Pump No. 3 Diesel Tank (875 gal.)	LAC 33:III.501.B.5.A.3
	Firewater Pump No. 4 Diesel Tank (875 gal.)	LAC 33:III.501.B.5.A.3
	Firewater Pump No. 5 Diesel Tank (560 gal.)	LAC 33:III.501.B.5.A.3
	Garage Kerosene Tank (500 gal.)	LAC 33:III.501.B.5.A.3

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

LAKE CHARLES COMPLEX – COMPLEX SUPPORT FACILITIES
AGENCY INTEREST NO. 1255
PPG INDUSTRIES, INC.
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

ID No.	Description	Citation
	Portable Kerosene Heaters (<1 MM BTU/hr each)	LAC 33:III.501.B.5.A.5
	Electric Shop Portable Steam Heater (<1 MM BTU/hr)	LAC 33:III.501.B.5.A.5
	Uncontrolled Lab Hoods for the Main Lab	LAC 33:III.501.B.5.A.9

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

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PPG INDUSTRIES, INC.
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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	2103	2107	2111	2113	2123	2125	2131	22	29*	51*	53	56	59
GRP076	Complex Support Facilities	1	1	1	1					1					1	1		1	1
ARE042	Solvent Cleaning, SRV Repair Shop											1				1			
EQT333	Firewater Station Water Pumps 1-5			1		1													
EQT334	Complex Paint Booth				1						2					1			
EQT335	W. Gasoline Storage Tank						1						1			1			
EQT336	E. Gasoline Storage Tank						1						1			1			
EQT337	N. Diesel Storage Tank						1												
EQT338	S. Diesel Storage Tank						1												
EQT339	Main Lab Chlorine Scrubber															1			
EQT340	Main Lab Asbestos HEPA Filter	1														1			
EQT341	Blast Yard Facility Filter	1			1														
FUG011	Complex Support Equipment Leak								1										
FUG012	Refrigeration Equipment Fugitives															1			

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

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KEY TO MATRIX

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

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

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

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

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AGENCY INTEREST NO. 1255
PPG INDUSTRIES, INC.
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

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		
		K	Ka	Kb	Db	Dc	GG	KKK	A	M	V	A	T	SS	VV	HHH	64	68	82
GRP076	Complex Support Facilities								1	1		1						1	1
ARE042	Solvent Cleaning, SRV Repair Shop												1						
EQT333	Firewater Station Water Pumps 1-5																		
EQT334	Complex Paint Booth																		
EQT335	W. Gasoline Storage Tank			3															
EQT336	E. Gasoline Storage Tank			3															
EQT337	N. Diesel Storage Tank			3															
EQT338	S. Diesel Storage Tank		3																
EQT339	Main Lab Chlorine Scrubber																		
EQT340	Main Lab Asbestos HEPA Filter									1									
EQT341	Blast Yard Facility Filter																		
FUG011	Complex Support Equipment Leak																		
FUG012	Refrigeration Equipment Fugitives																		

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KEY TO MATRIX

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

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

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

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

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

ID No:	Requirement	Notes
EQT334	Control Emissions of Organic Compounds – Organic Solvents [LAC 33:III.2123]	Exempt – Total organic solvent emissions are less than 15 pounds per day.
EQT335, EQT336	NSPS Subpart Kb –Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	Does Not Apply – The capacity of each tank is less than 10,558 gallons.
EQT337	NSPS Subpart Kb –Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	Does Not Apply – Vapor pressure is less than 0.5 psia.
EQT338	NSPS Subpart Ka – Petroleum Liquid Storage Vessels [40 CFR 60.110a]	Does Not Apply – The capacity of the tank is less than 40,000 gallons.

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

40 CFR PART 70 GENERAL CONDITIONS

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

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

C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]

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

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

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

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

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

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

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

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

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

J. Records of required monitoring shall include the following:

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

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

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

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

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

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence

that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

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

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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

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

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated September 6, 2002, along with supplemental information dated May 5, 2005.

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

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

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

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

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

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

VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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

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

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

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

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

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

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

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

INVENTORIES

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960006
Permit Number: 2359-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE042	535B: Solvent Cleaning, SRV Repair Shop					8760 hr/yr (All Year)
EQT333	031: Firewater Station Water Pumps 1-5		1907 horsepower			4320 hr/yr (All Year)
EQT334	133: Complex Paint Booth		1 gallons/hr	520 gallons/yr		1300 hr/yr (All Year)
EQT335	138A: W. Gasoline Storage Tank	6000 gallons				8760 hr/yr (All Year)
EQT336	138B: E. Gasoline Storage Tank	6000 gallons				8760 hr/yr (All Year)
EQT337	139: North Diesel Storage Tank	23700 gallons				8760 hr/yr (All Year)
EQT338	140: South Diesel Storage Tank	15000 gallons				8760 hr/yr (All Year)
EQT339	144: Main Lab Chlorine Scrubber			1100 ft^3/min		8760 hr/yr (All Year)
EQT340	145: Main Lab Asbestos HEPA Filter		1000 ft^3/min			8760 hr/yr (All Year)
EQT341	554: Blast Yard Facility Filter			15500 ft^3/min		8760 hr/yr (All Year)
FUG011	110C: Complex Support Equipment Leaks					8760 hr/yr (All Year)
FUG012	556: Refrigeration Equipment Fugitives					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP076	Complex Support Facilities	ARE42 535B: Solvent Cleaning, SRV Repair Shop
GRP076	Complex Support Facilities	EQT333 031: Firewater Station Water Pumps 1-5
GRP076	Complex Support Facilities	EQT334 133: Complex Paint Booth
GRP076	Complex Support Facilities	EQT335 138A: W. Gasoline Storage Tank
GRP076	Complex Support Facilities	EQT336 138B: E. Gasoline Storage Tank
GRP076	Complex Support Facilities	EQT337 139: North Diesel Storage Tank
GRP076	Complex Support Facilities	EQT338 140: South Diesel Storage Tank
GRP076	Complex Support Facilities	EQT339 144: Main Lab Chlorine Scrubber
GRP076	Complex Support Facilities	EQT340 145: Main Lab Asbestos HEPA Filter
GRP076	Complex Support Facilities	EQT341 554: Blast Yard Facility Filter
GRP076	Complex Support Facilities	FUG11 110C: Complex Support Equipment Leaks
GRP076	Complex Support Facilities	FUG12 556: Refrigeration Equipment Fugitives

Relationships:

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT333	031: Firewater Station Water Pumps 1-5	56.9	298	.33		15	200
EQT334	133: Complex Paint Booth	33.13	17000	3.3		24	80
EQT335	138A: W. Gasoline Storage Tank	0	.01	1.33		12	80
EQT336	138B: E. Gasoline Storage Tank	0	.01	1.33		12	80

INVENTORIES

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960006
Permit Number: 2359-V0
Air - Title V Regular Permit Initial

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT337	139: North Diesel Storage Tank	.02	.1	.33		20	77
EQT338	140: South Diesel Storage Tank	.01	.07	.33		20	77
EQT339	144: Main Lab Chlorine Scrubber	23.34	1100	1		12	80
EQT340	145: Main Lab Asbestos HEPA Filter	21.22	1000	1		12	80
EQT341	554: Blast Yard Facility Filter		15500			10	

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP076	1	MM Lb/Yr	0620 - Halogenated Hydrocarbons (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960006
Permit Number: 2359-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 333 031	4.20	6.29	1.81	3.91	5.86	1.69	59.12	88.68	25.50	12.74	19.11	5.50	4.71	7.07	2.03
EQT 334 133	< 0.01	0.01	< 0.01										1.60	7.20	1.04
EQT 335 138A													0.22	0.25	1.00
EQT 336 138B													0.22	0.25	1.00
EQT 337 139													< 0.01	< 0.01	0.01
EQT 338 140													< 0.01	< 0.01	< 0.01
EQT 341 554	1.12	1.34	4.89												
FUG 011 110C													0.11		0.47

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

Permit Phase Totals:

PM10: 6.70 tons/yr

SO2: 1.69 tons/yr

NOx 25.50 tons/yr

CO: 5.50 tons/yr

VOC: 5.54 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960006
Permit Number: 2359-V0
Air - Title V Regular Permit Initial

All phases

	Ammonia			Benzene			Chlorine			Tetrachloroethylene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 042 535B										2.50	2.50	10.93
EQT 335 138A				< 0.01	< 0.01	0.02						
EQT 336 138B				< 0.01	< 0.01	0.02						
EQT 339 144							< 0.01	0.10	0.01			
FUG 012 556	1.51		6.63									

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

Permit Parameter Totals:

Ammonia: 6.63 tons/yr

Benzene: 0.04 tons/yr

Chlorine: 0.01 tons/yr

Tetrachloroethylene: 10.93 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960006
Permit Number: 2359-V0
Air - Title V Regular Permit Initial

ARE042 535B: Solvent Cleaning, SRV Repair Shop

1 Do not operate or maintain a system utilizing a volatile organic compound for the cold cleaning of objects without a cover that can be opened or closed easily. [LAC 33:III.2125.C.1]

2 Install one of the control devices specified in LAC 33:III.2125.C.1.a through c, if the solvent volatility is greater than 2.3 kPa (0.6 psi) measured at 38 degrees C (100 degrees F) or if the solvent is heated to above 50 degrees C (120 degrees F). [LAC 33:III.2125.C.1]

3 Do not operate or maintain a system using a volatile organic compound for cold cleaning of objects without complying with the operating procedures specified in LAC 33:III.2125.C.2.a through j. [LAC 33:III.2125.C.2]

4 Demonstrate compliance with LAC 33:III.2125 by applying the test methods specified in LAC 33:III.2125.E.1 through E.4, as applicable. [LAC 33:III.2125.E]

5 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the amount and type of solvent purchased each month; the amount and type of waste solvent disposed of each month; records of control equipment maintenance, such as replacement of the carbon in a carbon adsorption unit, when applicable; and results of all tests conducted in accordance with the requirements described in LAC 33:III.2125.E. Maintain records at the facility for at least two years. [LAC 33:III.2125.F]

6 Achieve compliance with LAC 33:III.2125 as expeditiously as possible but in no event later than one year after becoming an affected facility. [LAC 33:III.2125.G]

7 Comply with 40 CFR 63, Subpart T - Determined as MACT. [LAC 33:III.5109.A]

8 Freeboard Ratio >= 0.75 (no units). Subpart T. [40 CFR 63.462(a)(2)]
Which Months: All Year Statistical Basis: None specified

9 Comply with the work and operational practice requirements specified in 40 CFR 63.462(c)(1) through (c)(9), as applicable. Subpart T. [40 CFR 63.462(c)]

10 Determine the potential to emit from all solvent cleaning operations, using the procedures described in 40 CFR 63.465(e)(1) through (e)(3). Subpart T. [40 CFR 63.465(e)]

11 Submit Compliance Report: Due no later than 150 days after the compliance date specified in 40 CFR 63.460(d). Include the requirements specified in 40 CFR 63.468(c)(1) through (c)(4). Subpart T. [40 CFR 63.468(c)]

EQT333 031: Firewater Station Water Pumps 1-5

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

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

EQT334 133: Complex Paint Booth

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

15 Use of paints containing 3.5 pounds organic TAPs or less per gallon and maintain good housekeeping practices as described in LAC 33:III.2113 - Determined as MACT. [LAC 33:III.5109.A]

EQT335 138A: W. Gasoline Storage Tank

16 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

EQT335 138A: W. Gasoline Storage Tank

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

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

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

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

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

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

23 Comply with LAC 33:III.2131 - Determined as MACT. [LAC 33:III.5109.A]

EQT336 138B: E. Gasoline Storage Tank

24 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

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

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

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

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

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

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

31 Comply with LAC 33:III.2131 - Determined as MACT. [LAC 33:III.5109.A]

EQT337 139: North Diesel Storage Tank

32 VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored. [LAC 33:III.2103.I.6]

EQT338 140: South Diesel Storage Tank

33 VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored. [LAC 33:III.2103.I.6]

EQT339 144: Main Lab Chlorine Scrubber

34 Class III TAP (Cl2) - MACT is not required. [LAC 33:III.5109.A]

EQT340 145: Main Lab Asbestos HEPA Filter

EQT340 145: Main Lab Asbestos HEPA Filter

35 Filter vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

36 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

37 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

38 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

39 Emissions are controlled by fiber filter - Determined as MACT. [LAC 33:III.5109.A]

40 Shall meet the asbestos emission standard for manufacturing and fabricating of LAC 33:III.Chapter 51, Subchapter M. [LAC 33:III.5151.E]

41 Shall meet all the asbestos emission standard for manufacturing of 40 CFR 61, Subpart M. [40 CFR 61.144]

EQT341 554: Blast Yard Facility Filter

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

43 Filter vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

44 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

45 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

46 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

47 Particulate matter (10 microns or less) >= 99 % removal efficiency. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

FUG011 110C: Complex Support Equipment Leaks

48 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

FUG012 556: Refrigeration Equipment Fugitives

49 Class III TAP (NH3) - MACT is not required. [LAC 33:III.5109.A]

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50 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

51 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

52 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

53 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

54 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]

55 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]

56 Carbon monoxide <= 5.50 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

57 Nitrogen oxides <= 25.50 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

58 Particulate matter (10 microns or less) <= 6.70 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

59 Sulfur dioxide <= 1.69 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

60 VOC, Total <= 5.54 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

61 Ammonia <= 6.63 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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

63 Chlorine <= 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

64 Tetrachloroethylene <= 10.93 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

65 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]

66 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

67 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]

68 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]

69 Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991. [LAC 33:III.5107.A.1]

GRP076 **Complex Support Facilities**

70 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]

71 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]

72 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]

73 Submit notification: Due to the Office of Environmental Compliance, 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.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]

74 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]

75 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]

76 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]

77 Submit to DEQ a compliance plan for achieving compliance with MACT requirements in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E. [LAC 33:III.5109.A.1]

78 Submit to DEQ a certification of compliance with all MACT requirements, in accordance with LAC 33:III.5109.D. Include the elements listed in LAC 33:III.5109.E. [LAC 33:III.5109.A.2]

79 Submit to DEQ a compliance plan for achieving compliance with the ambient air standard(s), in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E. [LAC 33:III.5109.B.1]

80 Submit to DEQ a certification of compliance with all ambient air standards, in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E. [LAC 33:III.5109.B.2]

81 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]

82 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

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83 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]

84 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]

85 Obtain written authorization from DEQ before commencement of any modification specified in a compliance plan submitted pursuant to LAC 33:III.5109. [LAC 33:III.5111.A.3]

86 Submit letter: Due to the Office of Environmental Services, Permits Division concurrently with the submittal of the compliance plan. Indicate that the necessary permit modification (or new permit if no existing permit is in place) will be applied for by a date specified in the compliance schedule and request written authorization to construct; or, Submit permit application: Due to the Office of Environmental Services, Permits Division in accordance with LAC 33:III.5111.B, concurrently with the submittal of the compliance plan. [LAC 33:III.5111.A.3]

87 Apply for a permit in accordance with LAC 33:III.5111.B, for any existing major source which is operating without a Louisiana Air Permit, or which is not fully permitted, or for any minor source that was once a major source. [LAC 33:III.5111.A.4]

88 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]

89 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]

90 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]

91 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

92 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]

93 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]

94 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]

95 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

96 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

97 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

98 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]

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

100 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

101 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]

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102 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]

103 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]

104 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]

105 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]

106 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]

107 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]

108 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]

109 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]

110 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]

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

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

113 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

114 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]

115 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]

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

117 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Appendix B to 40 CFR 63 Subpart T. [40 CFR 63]

118 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 68.22. [40 CFR 68.12(b)(1)]

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

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

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

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122 Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999. [40 CFR 68.150]

123 Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g). [40 CFR 68.155]

124 Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13). [40 CFR 68.160]

125 Submit in the RMP information one worst-case release scenario for each Program 1 process. Include the data specified in 68.165(b)(1) through (13). [40 CFR 68.165]

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

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

128 Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]

129 Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999. [40 CFR 68.190]

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

131 Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences. [40 CFR 68.22]

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

133 Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e). [40 CFR 68.28]

134 Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.30]

135 List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.33]

136 Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]

137 Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36]

138 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses. [40 CFR 68.39]

139 Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release. [40 CFR 68.42]

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

141 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

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142 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

143 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

144 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]