BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.:

Activity No. PER20070023
Agency Interest 2638

Mr. Stan J Vanderleeuw
Refinery Manager
ExxonMobil Refining and Supply Company
P.O. Box 551
Baton Rouge, Louisiana 70821

RE: Part 70 Operating Permit Renewal/Modification, Baton Rouge Refinery – Hydroprocessing, ExxonMobil Refining and Supply Company, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Vanderleeuw:

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

It will be considered a violation of the permit if all proposed control measures and/or equipment are not 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_____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number cited below and the Agency Interest Number 2638 should be referenced in future correspondence regarding this facility.
Done this _____ day of _____, 2008.

Permit No.: 2447-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN:mv
c: US EPA Region VI

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

HYDROPROCESSING COMPLEX; AI No. 2638; PER20070023
EXXONMOBIL REFINING AND SUPPLY COMPANY
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA

I. BACKGROUND

ExxonMobil Refining and Supply Company (ExxonMobil) owns and operates a petroleum refinery in Baton Rouge, Louisiana (BRRF). The Hydroprocessing is an existing facility in the refinery. Previously the facility operated under Permit No. 2447-V0 dated February 18, 2004. Currently the facility operates under Permit No. 2447-V1 dated May 18, 2006. This permit serves as a renewal/modification to the Part 70 Title V Permit for the Hydroprocessing Complex.

II. ORIGIN

ExxonMobil submitted an application and Emission Inventory Questionnaire (EIQ) dated December 12, 2007, requesting a Part 70 Permit renewal/modification.

III. DESCRIPTION

The Hydroprocessing consists of Hydrocracking (HCLA) and Hydrofining (HHLA-N, S, and E). The Hydrocracker area cracks heavy petroleum stocks using catalyst and hydrogen. The Hydroprocessing area consists of multiple trains (HHLA-N, S, and E). These trains remove sulfur and nitrogen compounds from Jet and Diesel blend stocks by a hydrogenation process using catalyst and hydrogen.

This permit updates the emission limits from the facility emission point sources based on updated emission factors and/or current facility conditions.

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

Pollutant	Before	After	Change
PM_{10}	14.51	13.81	–0.70
SO_2	27.23	25.13	–2.10
NO_x	62.12	58.61	–3.51
CO	79.74	78.21	–1.53
VOC*	148.93	148.82	–0.11

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

Pollutant	Before	After	Change
2,2,4-Trimethylpentane	0.05	0.05	–
Benzene	0.61	0.61	–
Biphenyl	0.10	0.10	–
Cresol	0.05	0.05	–

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

Pollutant	Before	After	Change
Cumene	0.08	0.08	–
Ethylbenzene	0.66	0.66	–
n-Hexane	3.35	3.35	–
Naphthalene	0.24	–	–0.24
Quinoline	0.05	0.05	–
Styrene	0.05	0.05	–
Toluene	0.73	0.73	–
Xylenes (mixed isomers)	1.48	1.48	–
Total	7.45	7.21	–0.24

Non VOC TAP Speciation (TPY):

Hydrogen sulfide	1.32
Sulfuric acid	0.05
Total	1.37

IV. TYPE OF REVIEW:

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration (PSD) and Non-attainment New Source Review (NNSR) do not apply.

This Complex is part of the refinery which is a major source of toxic air pollutants (TAPs).

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.

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VI. PUBLIC NOTICE:

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **<date>**, 2008; and in the <local paper>, <local town>, on **<date>**, 2008. 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>**, 2008. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

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

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	Emission Rates - TPY					
		PM_{10}	SO_2	NO_x	CO	VOC	Ammonia
GCXVII No. 1	HYDRO Work Practices - Equipment Maintenance/Preparation					0.15	
GCXVII No. 2	HYDRO Work Practices - Startup and Shutdown Activities					1.45	
GCXVII No. 3	HYDRO Work Practices - Catalyst Loading	0.84					0.10

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IX. Insignificant Activities

ID No.:	Description	Max Rate or Tank Capacity	Citation
HCLA/IA/TK056	Unit Tank	1501 gal	LAC 33:III.501.B.5.A.3
HCLA/IA/TK059	Unit Tank	1000 gal	LAC 33:III.501.B.5.A.3
HCLA/IA/TK082	Unit Tank	500 gal	LAC 33:III.501.B.5.A.3
HHLA/IA/TK081	Unit Tank	1000 gal	LAC 33:III.501.B.5.A.3

All insignificant activities shall meet the requirements to submit emission inventory data to comply with LAC 33:III.919 – Emission Inventory.

Streamlined Fugitive Program

Unit	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
HYDRO/FUG	LA Refinery MACT LAC 33:III.2122 40 CFR 63 Subpart CC - modified HON option 40 CFR 60 Subpart GGG	5% VOTAP (class I and II) 10% VOC 5% VOHAP 10% VOC	LA Refinery MACT in the manner* agreed to be ExxonMobil in its approved Air Toxic Compliance Plan Approved April 18, 1996, per Source Notice and Agreement dated October 14, 1996.

*In lieu of the requirement to monitor connectors (that have been opened or had the seal broken) during the next scheduled monitoring period, connector tightness testing is currently performed prior to equipment startup. Tightness testing may consist of nitrogen pressure test, hydro testing, or high pressure steam. Tightness is verified by instrumentation or observation.

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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	2111	2113	2115	2116*	2122	2139	2141	2151	2153	22	29*	51*	56	59*
UNF09	Hydroprocessing Complex	1	1						1				1	1	1	3		1	1	1	1
ARE018	HYDRO/WW - Hydrofining Complex Catch Basins and Sewer Vents																		1		
EQT627	HYDRO/AN - Hydrofining Complex Analyzer Emissions																		3		
EQT628	HHLA/CT-23E (CT50-65) - Hydrofining Cooling Tower #23-E																		1		
EQT629	HCLA/CT-24 - Hydrocracking Cooling Tower #24																		1		
EQT630	HHLA/CT-52 - Hydrfining Cooling Tower #52																		1		
EQT631	HCLA/F101 - Hydrocracking F-101 Furnace			1	1	2											1		2		
EQT632	HHLA E/F501 - Hydrofining East F-501 Furnace			1	1	2											1		2		
EQT633	HHLA N/F401 - Hydrofining North F-401 Furnace			1	1	2											2		2		
EQT634	HHLA S/F201 - Hydrofining South F-201 Furnace			1	1	2											1		2		
FUG014	HYDRO/FUG - Hydrofining Complex Fugitive Emissions							1				1							1		

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

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

ID No.:	Description	40 CFR 60										40 CFR 61					40 CFR 63								40 CFR	
		A	Db	Dc	J	K	Ka	Kb	GGG	IIII	QQQ	A	J	M	V	FF	A	B	Q	Y	CC	JJJJ	ZZZZ	GGGGG	64	68
UNF09	Hydroprocessing Complex	3									3	1		1		1	1							1	1	1
ARE018	HYDRO/WW - Hydrofining Complex Catch Basins and Sewer Vents										3					2					3					
EQT627	HYDRO/AN - Hydrofining Complex Analyzer Emissions																				3					
EQT628	HHLA/CT-23E (CT50-65) - Hydrofining Cooling Tower #23-E																		3							
EQT629	HCLA/CT-24 - Hydrocracking Cooling Tower #24																		3							
EQT630	HHLA/CT-52 - Hydrfining Cooling Tower #52																		3							
EQT631	HCLA/F101 - Hydrocracking F-101 Furnace	3			3																					
EQT632	HHLA E/F501 - Hydrofining East F-501 Furnace	1			1																					
EQT633	HHLA N/F401 - Hydrofining North F-401 Furnace	3			3																					
EQT634	HHLA S/F201 - Hydrofining South F-201 Furnace	3			3																					
FUG014	HYDRO/FUG - Hydrofining Complex Fugitive Emissions								1				2		3						1					

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

ID No:	Requirement	Notes
UNF09 Hydroprocessing Complex	Control of Organic Compounds – Limiting VOC Emissions form Industrial Wastewater LAC 33:III.2153.A	DOES NOT APPLY – This regulation does not apply to Petroleum Refineries.
	NSPS Subpart A – General Provisions 40 CFR 60.1(a)	DOES NOT APPLY – Source is not subject to the provisions of any standard of this part.
	NSPS Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems 40 CFR 60.690(a)	DOES NOT APPLY – The provisions of this subpart only apply to affected facilities for which construction, modification, or reconstruction is commenced after May 4, 1987.
	Compliance Assurance Monitoring for Major Stationary Sources 40 CFR 64.2(a)	DOES NOT APPLY – A pollutant-specific emissions unit that does not use a control device to achieve compliance with an emission limitation or standard and/or does not have potential pre-control device emissions required to be classified as a major source is not subject to the provisions of this rule. Emission units are not equipped with a control device to achieve compliance with an emission limitation or standard to emit less than 100 percent of the major source thresholds.

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

ID No:	Requirement	Notes
ARE 018 HYDRO/WW - Hydroprocessing Complex Catch Basins and Sewer Vents	NSPS Subpart QQQ – Standard of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems 40 CFR 60.690(a)	DOES NOT APPLY – The provisions of this subpart only apply to affected facilities for which construction, modification or reconstruction is commenced after May 4, 1987. Affected facilities have not been modified after May 4, 1987.
	NESHAP for Source Categories Subpart CC – Petroleum Refineries Wastewater Provisions 40 CFR 63.647(a)	DOES NOT APPLY – Wastewater streams having a benzene concentration of less than 10 ppmw (Group 2) are not regulated by this subpart. All wastewater streams in the Hydroprocessing Complex are Group 2.
EQT627 HYDRO/AN - Hydroprocessing Complex Analyzer Emissions	Comprehensive Toxic Air Pollutants Emission Control Program LAC 33:III.5105.B.3.c	DOES NOT APPLY – In situ sampling systems do not meet the definition of a process vent.
	NESHAP for Source Categories Subpart CC – Petroleum Refineries, Miscellaneous Process Vents 40 CFR 63.641	DOES NOT APPLY – In situ sampling systems (onstream analyzers) do not meet the definition of miscellaneous process vents.
EQT628 HHLA/CT-23E (CT50-65) - Hydroprocessing Cooling Tower #23-E	NESHAP for Source Categories Subpart Q – Cooling Towers 40 CFR 63.400(a)	DOES NOT APPLY – Subpart only applies to industrial process cooling towers that are operated with chromium-based water treatment chemicals.
	Compliance Assurance Monitoring for Major Stationary Sources 40 CFR 64.2(a)	DOES NOT APPLY – A pollutant-specific emissions unit that does not use a control device to achieve compliance with an emission limitation or standard and/or does not have potential pre-control device emissions required to be classified as a major source is not subject to the provisions of this rule.

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

ID No:	Requirement	Notes
EQT629 HCLA/CT-24 - Hydrocracking Cooling Tower #24	NESHAP for Source Categories Subpart Q – Cooling Towers 40 CFR 63.400(a)	DOES NOT APPLY – Subpart only applies to industrial process cooling towers that are operated with chromium-based water treatment chemicals.
EQT630 HHLA/CT-52 - Hydroprocessing Cooling Tower #52	NESHAP for Source Categories Subpart Q – Cooling Towers 40 CFR 63.400(a)	DOES NOT APPLY – Subpart only applies to industrial process cooling towers that are operated with chromium-based water treatment chemicals.
EQT 631 HCLA/F101 - Hydrocracking F-101 Furnace	Emission Standard for Sulfur Dioxide Emission Limitations LAC 33:III.1503.C	EXEMPT – Units emitting less than 250 tpy SO_2 are exempt. Unit emits less than 250 tpy SO_2.
	Emission Standard for Sulfur Dioxide, CEM Requirements LAC 33:III.1511.A	EXEMPT – CEM is not required for flares and sources emitting less than 100 tpy of SO_2. Source emits less than 100 tpy SO_2.
	Comprehensive Toxic Air Pollutants Emission Control Program LAC 33:III.5105.B.3.c	EXEMPT – Emissions from the combustion of gas streams as defined in LAC 33:III.5105.B.3c are exempt from the requirements of Chapter 51 Subpart A. MACT is not required.
	NSPS Subpart A – General Provisions 40 CFR 60.1(a)	DOES NOT APPLY – Source is not subject to the provisions of any standard of this part.
	NSPS Subpart J – Standards of Performance for Petroleum Refineries 40 CFR 60.100(b)	DOES NOT APPLY – This subpart does not apply to fuel gas combustion devices which have not been modified after June 11, 1973. Furnaces have not been modified after June 11, 1973.

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

ID No:	Requirement	Notes
EQT 632 HHLA E/F501 - Hydroprocessing East F-501 Furnace	Emission Standard for Sulfur Dioxide Emission Limitations LAC 33:III.1503.C	EXEMPT – Units emitting less than 250 tpy SO_2 are exempt. Unit emits less than 250 tpy SO_2.
	Emission Standard for Sulfur Dioxide, CEM Requirements LAC 33:III.1511.A	EXEMPT – CEM is not required for flares and sources emitting less than 100 tpy of SO_2. Source emits less than 100 tpy SO_2.
	Comprehensive Toxic Air Pollutants Emission Control Program LAC 33:III.5105.B.3.c	EXEMPT – Emissions from the combustion of gas streams as defined in LAC 33:III.5105.B.3c are exempt from the requirements of Chapter 51 Subpart A. MACT is not required.
EQT 633 HHLA N/F401 - Hydroprocessing North F-401 Furnace	Emission Standard for Sulfur Dioxide Emission Limitations LAC 33:III.1503.C	EXEMPT – Units emitting less than 250 tpy SO_2 are exempt. Unit emits less than 250 tpy SO_2.
	Emission Standard for Sulfur Dioxide, CEM Requirements LAC 33:III.1511.A	EXEMPT – CEM is not required for flares and sources emitting less than 100 tpy of SO_2. Source emits less than 100 tpy SO_2.
	Control of Emissions of Nitrogen Oxides – Affected Facilities in the Baton Rouge Nonattainment Area and the Region of Influence LAC 33:III.2201.C.1	EXEMPT – Boilers and process heaters/furnaces with a maximum rated capacity of < 40 MM Btu/hr are exempt from the provisions of Chapter 22. Furnace has a maximum rated capacity of < 40 MM Btu/hr.
	Comprehensive Toxic Air Pollutants Emission Control Program LAC 33:III.5105.B.3.c	EXEMPT – Emissions from the combustion of gas streams as def ined in LAC 33:III.5105.B.3c are exempt from the requirements of Chapter 51 Subpart A. MACT is not required.

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

ID No:	Requirement	Notes
EQT 633 HHLA N/F401 - Hydroprocessing North F-401 Furnace (Continued)	NSPS Subpart A – General Provisions 40 CFR 60.1(a)	DOES NOT APPLY – Source is not subject to the provisions of any standard of this part.
	NSPS Subpart J – Standards of Performance for Petroleum Refineries 40 CFR 60.100(b)	DOES NOT APPLY – This subpart does not apply to fuel gas combustion devices which have not been modified after June 11, 1973. Furnaces have not been modified after June 11, 1973.
EQT634 HHLA S/F201 - Hydroprocessing South F-201 Furnace	Emission Standard for Sulfur Dioxide Emission Limitations LAC 33:III.1503.C	EXEMPT – Units emitting less than 250 tpy SO_2 are exempt. Unit emits less than 250 tpy SO_2.
	Emission Standard for Sulfur Dioxide, CEM Requirements LAC 33:III.1511.A	EXEMPT – CEM is not required for flares and sources emitting less than 100 tpy of SO_2. Source emits less than 100 tpy SO_2.
	Comprehensive Toxic Air Pollutants Emission Control Program LAC 33:III.5105.B.3.c	EXEMPT – Emissions from the combustion of gas streams as defined in LAC 33:III.5105.B.3c are exempt from the requirements of Chapter 51 Subpart A. MACT is not required.
	NSPS Subpart J – Standards of Performance for Petroleum Refineries 40 CFR 60.100(b)	DOES NOT APPLY – This subpart does not apply to fuel gas combustion devices which have not been modified after June 11, 1973. Furnaces have not been modified after June 11, 1973.
	NSPS Subpart A – General Provisions 40 CFR 60.1(a)	DOES NOT APPLY – Source is not subject to the provisions of any standard of this part.

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

ID No:	Requirement	Notes
FUG 014 HYDRO/FUG - Hydroprocessing Complex Fugitive Emissions	NESHAP Subpart J – National Emission Standard for Equipment Leaks of Benzene 40 CFR 61.110(c)(3)	EXEMPT – Complex does not have streams that contain >= 10% by weight benzene.
	NESHAP Subpart V – National Emission Standard for Equipment Leaks of VHAP 40 CFR 61.240(a)	DOES NOT APPLY – Complex does not have streams that contain >= 10% by weight VHAP.

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

40 CFR PART 70 GENERAL CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

40 CFR PART 70 GENERAL CONDITIONS

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

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

J. Records of required monitoring shall include the following:

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

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

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

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

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

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated

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

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

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

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

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

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

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

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

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

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

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

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

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

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a

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

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

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

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

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

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

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

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

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

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

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

40 CFR PART 70 GENERAL CONDITIONS

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

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

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

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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

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

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire received December 12, 2007.

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

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

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

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

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

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

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

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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

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

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

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

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

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

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

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

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

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

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 in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.

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 the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the 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. For Part 70 sources, 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.

General Information

AI ID: 2638 ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070023
Permit Number: 2447-VA
Air - Title V Regular Permit Minor Mod

Also Known As:

ID	Name	User Group	Start Date
0840-00015	ExxonMobil Refining & Supply Co - Baton Rouge Refinery	CDS Number	11-28-2000
13-5409005	Federal Tax ID	Federal Tax ID	11-20-1999
LAD062662887	Exxon Co USA - Baton Rouge Refinery	Hazardous Waste Notification	11-19-1980
PC/CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
00333	Baton Rouge Refinery	Inactive & Abandoned Sites	02-21-1980
LAD062662887	Exxon Co USA - Baton Rouge Refinery	Inactive & Abandoned Sites	02-21-1980
LA0005584	LPDES #	LPDES Permit #	06-25-2003
LAR05N757	LPDES #	LPDES Permit #	10-12-2006
WP0592	LWDPS #	LWDPS Permit #	06-25-2003
	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
1345	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
D-033-9777	Exxon Co USA	Solid Waste	01-08-2002
G-033-5407	SW ID #	Solid Waste Facility No.	11-21-1999
GD-033-0596	SW ID#	Solid Waste Facility No.	04-30-2001
0840A0210	Stage II Vapor Recovery	Stage II Vapor Recovery	08-19-2002
100178	Humble Oil & Refining Co	TEMPO Merge	11-10-2002
34448	ExxonMobil Refining & Supply Co	TEMPO Merge	07-11-2001
44847	Exxon Co USA - Baton Rouge Refinery	TEMPO Merge	07-15-2001
47223	Exxon Co USA - Baton Rouge Refinery	TEMPO Merge	07-15-2001
70805XXNBT4050S	TRI #	Toxic Release Inventory	07-12-2004
1218	UST Case History Case Number	UST Case Number	11-21-1999
1751	UST Case History Case Number	UST Case Number	11-21-1999
743	UST Case History Case Number	UST Case Number	11-21-1999
17004239	UST Facility ID (from UST legacy data)	UST FID #	10-11-2002

Physical Location: 4045 Scenic Hwy
Baton Rouge, LA 70805

Main FAX: 2259777619
Main Phone: 2259777848

Mailing Address: PO Box 551
Baton Rouge, LA 708210551

Location of Front Gate: 30° 29' 30" 23 hundredths latitude, 91° 10' 8" 31 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Richard Cotton	PO Box 551 Baton Rouge, LA 708210551	2259778337 (WP)	Water Permit Contact For
Richard Cotton	PO Box 551 Baton Rouge, LA 708210551	2259778337 (WP)	Solid Waste Permit Contact for

TPOR0148

General Information

AI ID: 2638 ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070023
Permit Number: 2447-VA
Air - Title V Regular Permit Minor Mod

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Richard Cotton	PO Box 551 Baton Rouge, LA 708210551	2259778337 (WP)	Underground Storage Tank Contact for
Richard Cotton	PO Box 551 Baton Rouge, LA 708210551	2259778337 (WP)	Solid Waste Billing Party for
Stan Labat	PO Box 551 Baton Rouge, LA 708210551	2259777226 (WP)	Emission Inventory Contact for
Stan Labat	PO Box 551 Baton Rouge, LA 708210551	stan.n.labat@exxonr	Emission Inventory Contact for
Paul Leinweber	PO Box 551 Baton Rouge, LA 708210551	2259771579 (WF)	Accident Prevention Contact for
Paul Leinweber	PO Box 551 Baton Rouge, LA 708210551	2259778873 (WP)	Accident Prevention Billing Party for
Paul Leinweber	PO Box 551 Baton Rouge, LA 708210551	2259778873 (WP)	Accident Prevention Contact for
Paul Leinweber	PO Box 551 Baton Rouge, LA 708210551	2259771579 (WF)	Accident Prevention Billing Party for
Stan Vanderleeuw	PO Box 551 Baton Rouge, LA 708210551	2259777848 (WP)	Responsible Official for
Ralph Willis	4999 Scenic Hwy Baton Rouge, LA 70805	2259778423 (WP)	Radiation Contact For
Ralph Willis	4999 Scenic Hwy Baton Rouge, LA 70805	2259778423 (WP)	Radiation Registration Billing Party for

Related Organizations:

Name	Address	Phone (Type)	Relationship
ExxonMobil Corp	PO Box 551 Baton Rouge, LA 708210551		Owns
ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Owns
ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Operates
ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	UST Billing Party for
ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Air Billing Party for
ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Stage II Vapor Recovery Billing Party for
ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Water Billing Party for
ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Emission Inventory Billing Party

NAIC Codes: 32411, Petroleum Refineries

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

INVENTORIES

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070023
Permit Number: 2447-VA
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
UNF09 - Hydroprocessing Complex						
ARE0018	HYDRO/WW - Hydroprocessing Complex Catch Basins and Sewer Vents					8760 hr/yr (All Year)
EQT0627	HYDRO/AN - Hydroprocessing Complex Analyzer Emissions				Source represents the group of analyzers in this operating area.	8760 hr/yr (All Year)
EQT0628	HHLA/CT-23E(CT50-65) - Hydrofining Cooling Tower #23-E		19500 gallons/min	19500 gallons/min	Stack Gas Flow is 1,184,000 ft3/min.	8760 hr/yr (All Year)
EQT0629	HCLA/CT-24 - Hydrocracking Cooling Tower #24		31500 gallons/min	31500 gallons/min	Stack Gas Flow is 2,436,000 ft3/min.	8760 hr/yr (All Year)
EQT0630	HHLA/CT-52 - Hydrofining Cooling Tower #52		10375 gallons/min	10375 gallons/min	Stack Gas Flow is 1,486,000 ft3/min.	8760 hr/yr (All Year)
EQT0631	HCLA/F101 - Hydrocracking F-101 Furnace		159 MM BTU/hr	64 MM BTU/hr		8760 hr/yr (All Year)
EQT0632	HHLA E/F501 - Hydrofining East F-501 Furnace		80 MM BTU/hr			8760 hr/yr (All Year)
EQT0633	HHLA N/F401 - Hydrofining North F-401 Furnace		46 MM BTU/hr			8760 hr/yr (All Year)
EQT0634	HHLA S/F201 - Hydrofining South F-201 Furnace		61 MM BTU/hr			8760 hr/yr (All Year)
FUG0014	HYDRO/FUG - Hydroprocessing Complex Fugitive Emissions					8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
UNF09 - Hydroprocessing Complex							
EQT0628	HHLA/CT-23E(CT50-65) - Hydrofining Cooling Tower #23-E	35				54	80
EQT0629	HCLA/CT-24 - Hydrocracking Cooling Tower #24	32				61.5	80
EQT0630	HHLA/CT-52 - Hydrofining Cooling Tower #52	27				35	80
EQT0631	HCLA/F101 - Hydrocracking F-101 Furnace	30.1	56295	8.9		159.8	541.3
EQT0632	HHLA E/F501 - Hydrofining East F-501 Furnace	11.1	13022	5		130	350
EQT0633	HHLA N/F401 - Hydrofining North F-401 Furnace	5.8	14517	3.9		134.8	463.1
EQT0634	HHLA S/F201 - Hydrofining South F-201 Furnace	12.1	20569	3.9		134.8	491.2

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
GRP0090	Equipment Group	HYDRO/FURN - Hydrofining Furnace Cap
UNF0009	Unit or Facility Wide	UNF09 - Hydroprocessing Complex

Group Membership:

ID	Description	Member of Groups
EQT0632	HHLA E/F501 - Hydrofining East F-501 Furnace	GRP0000000090
EQT0633	HHLA N/F401 - Hydrofining North F-401 Furnace	GRP0000000090

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INVENTORIES

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070023
Permit Number: 2447-V2
Air - Title V Regular Permit Minor Mod

Group Membership:

ID	Description	Member of Groups
EQT0634	HHLA S/F201 - Hydrofining South F-201 Furnace	GRP0000000090

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

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0720	Petroleum Refining (Rated Capacity)	1	1,000 BBL/Day

SIC Codes:

2911	Petroleum refining	AI2638

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070023
Permit Number: 2447-VA
Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
UNF09 - Hydroprocessing Complex															
ARE 0018 HYDRO/WW													0.68		2.99
EQT 0627 HYDRO/AN													0.62		2.73
EQT 0628 HHLA/CT-23E(CT50-65							0.49	0.98	2.14				0.82		3.59
EQT 0629 HCLA/CT-24							0.79	1.58	3.45				1.32		5.79
EQT 0630 HHLA/CT-52							0.26	0.52	1.14				0.44		1.91
EQT 0631 HCLA/F101	5.66	14.06	24.78	6.08	28.94	26.63	0.51	1.27	2.24	1.82	5.37	7.96	0.37	0.92	1.63
EQT 0632 HHLA E/F501		7.07			8.08			0.64			2.70			0.46	
EQT 0633 HHLA N/F401		4.07			1.84			0.37			1.55			0.27	
EQT 0634 HHLA S/F201		5.39			3.66			0.49			2.06			0.35	
FUG 0014 HYDRO/FUG													28.92		126.67
GRP 0090 HYDRO/FURN	12.02		53.43	7.30		31.98	1.10		4.84	3.92		17.17	0.80		3.51

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

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070023
Permit Number: 2447-VA
Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
ARE 0018 HYDRO/WW	2,2,4-Trimethylpentane	0.002	0.01
	Benzene	0.002	0.01
	Biphenyl	0.002	0.01
	Cresol	0.002	0.01
	Cumene	0.002	0.01
	Ethyl benzene	0.005	0.02
	Hydrogen sulfide	0.002	0.01
	Quinoline	0.002	0.01
	Styrene	0.002	0.01
	Sulfuric acid	0.002	0.01
	Toluene	0.002	0.04
	Xylene (mixed isomers)	0.02	0.08
	n-Hexane	0.06	0.25
EQT 0627 HYDRO/AN	Benzene	0.002	0.01
	Hydrogen sulfide	0.02	0.08
	n-Hexane	0.005	0.02
EQT 0628 HHLA/CT-23E(CT50-65)	2,2,4-Trimethylpentane	0.002	0.01
	Benzene	0.005	0.02
	Biphenyl	0.002	0.01
	Cresol	0.002	0.01
	Cumene	0.002	0.01
	Ethyl benzene	0.01	0.06
	Hydrogen sulfide	0.002	0.01
	Quinoline	0.002	0.01
	Styrene	0.002	0.01
	Sulfuric acid	0.002	0.01
	Toluene	0.02	0.11
	Xylene (mixed isomers)	0.05	0.21
	n-Hexane	0.13	0.58
EQT 0629 HCLA/CT-24	2,2,4-Trimethylpentane	0.002	0.01
	Benzene	0.005	0.02
	Biphenyl	0.002	0.01
	Cresol	0.002	0.01
	Cumene	0.002	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070023
Permit Number: 2447-VA
Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
EQT 0629 HCLA/CT-24	Ethyl benzene	0.002	0.01
	Hydrogen sulfide	0.002	0.01
	Quinoline	0.002	0.01
	Styrene	0.002	0.01
	Sulfuric acid	0.002	0.01
	Toluene	0.002	0.01
	Xylene (mixed isomers)	0.002	0.01
	n-Hexane	0.03	0.14
EQT 0630 HHLA/CT-52	2,2,4-Trimethylpentane	0.002	0.01
	Benzene	0.002	0.01
	Biphenyl	0.002	0.01
	Cresol	0.002	0.01
	Cumene	0.002	0.01
	Ethyl benzene	0.01	0.03
	Hydrogen sulfide	0.002	0.01
	Quinoline	0.002	0.01
	Styrene	0.002	0.01
	Sulfuric acid	0.002	0.01
	Toluene	0.01	0.06
	Xylene (mixed isomers)	0.03	0.11
	n-Hexane	0.07	0.31
FUG 0014 HYDRO/FUG	2,2,4-Trimethylpentane	0.002	0.01
	Benzene	0.12	0.54
	Biphenyl	0.01	0.06
	Cresol	0.002	0.01
	Cumene	0.01	0.04
	Ethyl benzene	0.12	0.54
	Hydrogen sulfide	0.27	1.20
	Quinoline	0.002	0.01
	Styrene	0.002	0.01
	Sulfuric acid	0.002	0.01
	Toluene	0.12	0.51
	Xylene (mixed isomers)	0.25	1.07
	n-Hexane	0.47	2.05

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070023
Permit Number: 2447-VA
Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
UNF 0009 UNF09	2,2,4-Trimethylpentane		0.05
	Benzene		0.61
	Biphenyl		0.10
	Cresol		0.05
	Cumene		0.08
	Ethyl benzene		0.66
	Hydrogen sulfide		1.32
	Quinoline		0.05
	Styrene		0.05
	Sulfuric acid		0.05
	Toluene		0.73
	Xylene (mixed isomers)		1.48
	n-Hexane		3.35

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

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SPECIFIC REQUIREMENTS

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Air - Title V Regular Permit Minor Mod

ARE0018 HYDRO/WW - Hydroprocessing Complex Catch Basins and Sewer Vents

1	[40 CFR 61.355]	Wastewater streams with a benzene concentration less than 10 ppmv are exempt from the control requirements. Recordkeeping and reporting requirements only. Wastewater streams have a benzene concentration of less than 10 ppmw and are processed at the water clarification plant.
2	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes MACT - LA Refinery MACT Determination dated July 26, 1994 - Determined as MACT. Shall comply with the provisions of 40 CFR 61 Subpart FF - National Emission Standard for Benzene Waste Operations. Determined to be MACT.

EQT0631 HCLA/F101 - Hydrocracking F-101 Furnace

3	[40 CFR 60.Subpart J]	By December 31, 2008, this furnace will be subject to NSPS Subpart J. Permittee shall meet all control requirements, notifications, monitoring, recordkeeping, and reporting provisions of NSPS Subpart J. The adjusted emission limits for this source (average (lb/hr) / maximum (lb/hr) / annual (tpy)) are listed below. The maximum hourly SO2 emission rate is a 3-hr rolling average as required by Subpart J. PM10: 0.51 / 1.27 / 2.24 SO2: 1.82 / 5.37 / 7.96 NOx: 6.08 / 28.94 / 26.63 CO: 5.66 / 14.06 / 24.78 VOC: 0.37 / 0.92 / 1.63.
4	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: None specified
5	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified
6	[LAC 33:III.2201.E.1]	The Facility-Wide Averaging Plan establishes a facility-wide emission factor for multiple affected facilities. Compliance with LAC 33:III.Chapter 22 is met via a Facility-Wide Averaging Plan.

EQT0632 HHLA E/F501 - Hydrofining East F-501 Furnace

7	[40 CFR 60.104(a)(1)]	Fuel gas shall not contain > 0.10 gr/dscf (160 ppmv) of H2S. [40 CFR 60.104(a)(1)]
8	[40 CFR 60.Subpart A]	All affected (NSPS) stationary sources comply with applicable provisions of this subpart.
9	[40 CFR 60.Subpart J]	By December 31, 2008, this furnace will be subject to NSPS Subpart J. Permittee shall meet all control requirements, notifications, monitoring, recordkeeping, and reporting provisions of NSPS Subpart J. The adjusted maximum hourly emission limits for this source are listed below. The maximum hourly SO2 emission rate is a 3-hr rolling average as required by Subpart J. PM10: 0.64 SO2: 2.70 NOx: 8.08 CO: 7.07 VOC: 0.46.

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SPECIFIC REQUIREMENTS

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EQT0632 HHLA E/F501 - Hydrofining East F-501 Furnace

10	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: None specified
11	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified

EQT0633 HHLA N/F401 - Hydrofining North F-401 Furnace

12	[40 CFR 60.Subpart J]	By December 31, 2008, this furnace will be subject to NSPS Subpart J. Permittee shall meet all control requirements, notifications, monitoring, recordkeeping, and reporting provisions of NSPS Subpart J. The adjusted maximum hourly emission limits for this source are listed below. The maximum hourly SO2 emission rate is a 3-hr rolling average as required by Subpart J. PM10: 0.37 SO2: 1.55 NOx: 1.84 CO: 4.07 VOC: 0.27.
13	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: None specified
14	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified

EQT0634 HHLA S/F201 - Hydrofining South F-201 Furnace

15	[40 CFR 60.Subpart J]	By December 31, 2008, this furnace will be subject to NSPS Subpart J. Permittee shall meet all control requirements, notifications, monitoring, recordkeeping, and reporting provisions of NSPS Subpart J. The adjusted maximum hourly emission limits for this source are listed below. The maximum hourly SO2 emission rate is a 3-hr rolling average as required by Subpart J. PM10: 0.49 SO2: 2.06 NOx: 3.66 CO: 5.39 VOC: 0.35.
16	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: None specified

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EQT0634 HHLA S/F201 - Hydrofining South F-201 Furnace

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

FUG0014 HYDRO/FUG - Hydroprocessing Complex Fugitive Emissions

18	[40 CFR 60.590-593]	Compliance with Louisiana Refinery MACT, in accordance with the streamlining provisions, is compliance with 40 CFR Part 60 Subpart GGG.
19	[40 CFR 63.Subpart CC]	Compliance with Louisiana Refinery MACT, in accordance with the streamlining provisions, is compliance with 40 CFR Part 63 Subpart CC.
20	[LAC 33:III.2111]	Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
21	[LAC 33:III.507.H.1.a]	Fugitive emissions of VOC shall be controlled by a monitoring program conforming to the LA Refinery MACT. The number of each type of component required to be monitored for each monitoring period under the applicable leak definition and repair programs shall be reported to the Department by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: a. Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; b. Changes do not involve any emissions increase associated with production rate or capacity change; c. Actual emissions following the changes will not exceed the emission limits contained in this permit; and d. The components are promptly incorporated into any applicable leak detection and repair program.
22	[LAC 33:III.507.H.1.a]	Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined as indicated in the following table. Noncompliance with the streamlined program in accordance with specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs. a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (LA Refinery MACT) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined. b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program (LA Refinery MACT). 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. c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 1 and March 1, to cover the periods of January 1, through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.
23	[LAC 33:III.5109.A]	Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
24	[LAC 33:III.5109.A]	Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
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FUG0014 HYDRO/FUG - Hydroprocessing Complex Fugitive Emissions

25	[LAC 33:III.5109.A]	Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
26	[LAC 33:III.5109.A]	Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. Which Months: All Year Statistical Basis: None specified
27	[LAC 33:III.5109.A]	Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
28	[LAC 33:III.5109.A]	Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. Which Months: All Year Statistical Basis: None specified
29	[LAC 33:III.5109.A]	Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
30	[LAC 33:III.5109.A]	Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
31	[LAC 33:III.5109.A]	Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
32	[LAC 33:III.5109.A]	Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7.
33	[LAC 33:III.5109.A]	Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
34	[LAC 33:III.5109.A]	Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. Which Months: All Year Statistical Basis: None specified

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FUG0014 HYDRO/FUG - Hydroprocessing Complex Fugitive Emissions

35 [LAC 33:III.5109.A] Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

36 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements.

37 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.
Which Months: All Year Statistical Basis: None specified

38 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors <= 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitoring shall be performed annually. Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
Which Months: All Year Statistical Basis: None specified

39 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
Which Months: All Year Statistical Basis: None specified

40 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1.

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AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
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Permit Number: 2447-V2
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FUG0014 HYDRO/FUG - Hydroprocessing Complex Fugitive Emissions

41	[LAC 33:III.5109.A]	Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.1. Which Months: All Year Statistical Basis: None specified
42	[LAC 33:III.5109.A]	Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O. Which Months: All Year Statistical Basis: None specified
43	[LAC 33:III.5109.A]	Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitoring shall be performed annually.
44	[LAC 33:III.5109.A]	Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
45	[LAC 33:III.5109.A]	Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. Which Months: All Year Statistical Basis: None specified
46	[LAC 33:III.5109.A]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
47	[LAC 33:III.5109.A]	Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
48	[LAC 33:III.5109.A]	Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

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FUG0014 HYDRO/FUG - Hydroprocessing Complex Fugitive Emissions

49	[LAC 33:III.5109.A]	Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3. Which Months: All Year Statistical Basis: None specified
50	[LAC 33:III.5109.A]	Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
51	[LAC 33:III.5109.A]	Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
52	[LAC 33:III.5109.A]	Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
53	[LAC 33:III.5109.A]	Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
54	[LAC 33:III.5109.A]	Pressure relief device in gas/vapor service: If the pressure relief device in gas/vapor service is equipped with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, it is exempt from the requirements of Subsection F.1 and F.2.
55	[LAC 33:III.5109.A]	Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Which Months: All Year Statistical Basis: None specified
56	[LAC 33:III.5109.A]	Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3. Which Months: All Year Statistical Basis: None specified
57	[LAC 33:III.5109.A]	Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.
58	[LAC 33:III.5109.A]	Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.
59	[LAC 33:III.5109.A]	Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.

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60	[LAC 33:III.5109.A]	Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. Which Months: All Year Statistical Basis: None specified
61	[LAC 33:III.5109.A]	Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.
62	[LAC 33:III.5109.A]	Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. Which Months: All Year Statistical Basis: None specified
63	[LAC 33:III.5109.A]	Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.e.i. Which Months: All Year Statistical Basis: None specified
64	[LAC 33:III.5109.A]	Pumps in light liquid service: If a pump in light liquid service is equipped with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, it is exempt from the requirements of Subsection D1 through D.4.
65	[LAC 33:III.5109.A]	Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days. Which Months: All Year Statistical Basis: None specified
66	[LAC 33:III.5109.A]	Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
67	[LAC 33:III.5109.A]	Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3. Which Months: All Year Statistical Basis: None specified
68	[LAC 33:III.5109.A]	Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

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69	[LAC 33:III.5109.A]	Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
70	[LAC 33:III.5109.A]	Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process.
71	[LAC 33:III.5109.A]	Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
72	[LAC 33:III.5109.A]	Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
73	[LAC 33:III.5109.A]	Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
74	[LAC 33:III.5109.A]	VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whichever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Which Months: All Year Statistical Basis: None specified
75	[LAC 33:III.5109.A]	VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
76	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1.
77	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. Which Months: All Year Statistical Basis: None specified
78	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. Which Months: All Year Statistical Basis: None specified

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79	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. Which Months: All Year Statistical Basis: None specified
80	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service (percent leaking valves >= 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1. Which Months: All Year Statistical Basis: None specified
81	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
82	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1.
83	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. Which Months: All Year Statistical Basis: None specified
84	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
85	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
86	[LAC 33:III.5109.A]	Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3. Which Months: All Year Statistical Basis: None specified

GRP0090 HYDRO/FURN - Hydrofining Furnace Cap

Group Members: EQT0632 EQT0633 EQT0634

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GRP0090 HYDRO/FURN - Hydrofining Furnace Cap

87	[40 CFR 60.Subpart J]	By December 31, 2008, all furnaces in the GRP0090, HYDRO/FURN emissions cap will be subject to NSPS Subpart J. Permittee shall meet all control requirements, notifications, monitoring, recordkeeping, and reporting provisions of NSPS Subpart J. The adjusted emission limits for this source (average (lb/hr) / annual (tpy)) are listed below. PM10: 1.10 / 4.84 SO2: 3.92 / 17.17 NOx: 7.30 / 31.98 CO: 12.20 / 53.43 VOC: 0.80 / 3.51.
88	[40 CFR 60.Subpart J]	By December 31, 2008, process furnaces HCLA/F101, HHLAS/F201, and HHLAN/F401 will be subject to NSPS Subpart J. Permittee shall meet all conrol requirements, notifications, monitoring, recordkeeping, and reporting provisions of NSPS Subpart J.
89	[LAC 33:III.501.C.6]	To demonstrate compliance with all emission limits except for NOx for the source HYDRO/FURN, Permittee shall calculate total average firing rate monthly for a 12-month rolling period. Total average firing rate for the furnaces in the cap shall not exceed 138 MM Btu/hr. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. Throughput above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
90	[LAC 33:III.501.C.6]	To demonstrate compliance with the NOx emission limit for the source HYDRO/FURN, Permittee shall calculate total NOx tons for a 12-month rolling period. Total NOx for the furnaces in the cap shall not exceed 31.98 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. Throughput above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [PSD Permit PSD-667 (M-1)].

CRG0052 Cooling Towers

Group Members: EQT0628 EQT0629 EQT0630

91	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
92	[LAC 33:III.501.C.6]	Maintain drift rate specified for control of particulate matter (10 microns or less) <= 0.005 percent of the circulating water rate. Shall monitor the Heat Exchange Cooling Tower for VOC monthly.
93	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes MACT - LA Refinery MACT Determination dated July 26, 1994.

UNF0009 UNF09 - Hydroprocessing Complex

94	[40 CFR 61.145(b)(1)]	Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]

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UNF0009 UNF09 - Hydroprocessing Complex

95	[40 CFR 61.148]	Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
96	[40 CFR 61.]	All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
97	[40 CFR 63.7886(b)(2)]	Currently the Baton Rouge Complex does not have any affected sources subject to the following provisions: process vents, equipment leaks, closed-vent systems/control devices, or continuous monitoring systems. Remediation Material Management Units (RMMUs) are used to manage remediation material generated from site remediation associated with unplanned releases. The Baton Rouge Complex uses a variety of containers as RMMUs. Existing tanks and/or separators which are potentially subject to this subpart are exempt from emission control requirements because these tanks and/or separators contain remediation material with an average total VOHAP < 500 ppmw. Subpart GGGGG. [40 CFR 63.7886(b)(2)]
98	[40 CFR 63.7886(b)]	Containers are currently the only emission source (Remediation Material Management Unit) Subject to the emission control requirements of the Site Remediation MACT. The HAP emissions associated with these RMMUs will be controlled according to the applicable standards specified in 40 CFR 63.7900 through 40 CFR 63.7903, or will meet one of the following exemptions: (1) The remediation material will be included in the sitewide 1.0 Mg exemption list in accordance with 40 CFR 63.7881(c)(1); or (2) The site remediation will be completed within 30 consecutive calendar days in accordance with 30 CFR 63.7884(b). Subpart GGGGG. [40 CFR 63.7886(b)]
99	[40 CFR 63.]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
100	[40 CFR 68.150]	Submit Risk Management Plan as required by the regulation by June 21, 1999. RPM was submitted by June 21, 1999.
101	[40 CFR 70.5(a)(1)(iii)]	Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
102	[40 CFR 70.6(a)(3)(iii)(A)]	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)]
103	[40 CFR 70.6(a)(3)(iii)(B)]	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. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
104	[40 CFR 70.6(c)(5)(iv)]	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)]
105	[LAC 33:III.2113.A]	Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
106	[LAC 33:III.2139.A]	Control emissions of VOC from steam jet ejectors and mechanical pumps by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Determine compliance and keep records as specified in LAC 33:III.2115.I, J, and K.

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UNF0009 UNF09 - Hydroprocessing Complex

107	[LAC 33:III.2139.B]	Control emissions of VOC from a hot-well with a contact condenser by covering the hot-well and controlling the vapors by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Determine compliance and keep records as specified in LAC 33:III.2115.I, J, and K.
108	[LAC 33:III.2141.A]	Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F.
109	[LAC 33:III.2141.A]	Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K.
110	[LAC 33:III.2151.C.1]	Conduct a three-month intensive study of solvent types and usage.
111	[LAC 33:III.2151.C.2]	Utilize accounting on a unit operation system.
112	[LAC 33:III.2151.C.3]	Submit plan: Due within 12 months after promulgation of LAC 33:III.2151. Submit plans to DEQ for reducing VOC emissions from solvent usage. Alternatively, report the controls and/or work practices deemed to be MACT that have been adopted to reduce VOC emissions from solvent cleanup operation.
113	[LAC 33:III.219]	Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
114	[LAC 33:III.2901.D]	Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
115	[LAC 33:III.2901.F]	If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
116	[LAC 33:III.501.C.1]	Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III.Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services as required in accordance with the procedures in LAC 33:III.Chapter 5.
117	[LAC 33:III.501.C.6]	Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include Ethylene and Propylene. (State Only).
118	[LAC 33:III.501.C.6]	Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
119	[LAC 33:III.507.E.4]	Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration.
120	[LAC 33:III.5105.A.1]	Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
121	[LAC 33:III.5105.A.2]	Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.

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122	[LAC 33:III.5105.A.3]	Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
123	[LAC 33:III.5105.A.4]	Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
124	[LAC 33:III.5107.A.2]	Emits Class I and/or Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
125	[LAC 33:III.5107.A.2]	Emits Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
126	[LAC 33:III.5107.A.2]	Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
127	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
128	[LAC 33:III.5107.A]	Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
129	[LAC 33:III.5107.B.1]	Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
130	[LAC 33:III.5107.B.2]	Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.
131	[LAC 33:III.5107.B.3]	Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931. Submit notification in the manner provided in LAC 33:I.3923.
132	[LAC 33:III.5107.B.4]	Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
133	[LAC 33:III.5107.B.5]	Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

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134	[LAC 33:III.517.A.1]	Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority.
135	[LAC 33:III.517.B.1]	Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete.
136	[LAC 33:III.517.D]	Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18.
137	[LAC 33:III.517.E]	In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8.
138	[LAC 33:III.517.G]	Submit change of ownership notification in accordance with LAC 33:I.Chapter 19.
139	[LAC 33:III.523.A]	Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate.
140	[LAC 33:III.5611.A]	Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
141	[LAC 33:III.5611.B]	During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
142	[LAC 33:III.5901.A]	Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
143	[LAC 33:III.5907]	Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
144	[LAC 33:III.5911.C]	Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
145	[LAC 33:III.919.D]	Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.