BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20090004
Agency Interest No. 1406

Ms. Anne-Marie Ainsworth
General Manager
15536 River Rd
Norco, LA 70079

RE: Part 70 Operating Permit Renewal/Modification, Hydrogen Plant, Motiva Enterprises LLC - Norco Refinery, Motiva Enterprises LLC, Norco St. Charles Parish, Louisiana

Dear Ms. Anne-Marie Ainsworth:

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

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

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

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

Done this _____ day of _____, 2009.

Permit No.: 2628-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
SGQ
c: EPA Region VI

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Motiva Enterprises LLC - Norco Refinery
Agency Interest No.: 1406
Motiva Enterprises LLC
Norco, St. Charles Parish, Louisiana

I. Background

Motiva Enterprises LLC operates the Hydrogen (H2) Plant under Part 70 Operating Permit No. 2628-V1 dated January 10, 2005.

II. Origin

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) dated March 5, 2009, requesting a Part 70 Operating permit renewal/modification. Additional information as of June 20, 2009 was also received.

III. Description

Hydrogen Plant produces hydrogen gas for the Hydrocracker Unit (HCU). Low purity hydrogen containing light hydrocarbons and/or natural gas are combined with steam and fed to the reformer (F-45A and 45B). The syngas product (consisting of hydrogen and carbon monoxide) is then sent to the carbon monoxide (CO) shift converters where additional hydrogen is produced by the water gas shift reaction. Unconverted CO and remaining carbon dioxide are converted to methane in the methanator as a final step.

The facility applied for a Part 70 Operating permit renewal/modification. The proposed modifications are as follows:

1. Update emissions from the Sulfinol Treatment Vent, Emission Point 26-71, based on 750 tons per day throughput (average) instead of 500 tons per day previously permitted.;
2. Update emissions from the Hydrogen Plant Deaerator Vent, Emission Point 5012-99, based on test results;
3. Replace tanks and update emissions for Tanks; Emission Points 1016-95, 1096-95, 1098-95; based on the changes referenced in Item No. 1 and 2 above;
4. Update fugitive emissions based on the current operating conditions and recent audit done for fugitive components, no physical modification is being undertaken;
5. Update H2 Plant Process Wastewater emissions and regulatory applicability based on the ongoing audit at the facility;
6. Update the General Condition XVII based on the recent audit;
7. Incorporate Case-by-Case Insignificant Activity dated August 12, 2005;
8. Update the Insignificant Activities List based on the recent audit; and

AIR PERMIT BRIEFING SHEET
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Motiva Enterprises LLC - Norco Refinery
Agency Interest No.: 1406
Motiva Enterprises LLC
Norco, St. Charles Parish, Louisiana

9 Incorporate the Authorization to Construct/Approval to Operate issued on December 28, 2006 to install a Selective Catalytic Reduction (SCR) system to reduce NOx emissions under the requirements of the Consent Decree between U.S. EPA and Motiva Enterprises LLC (Civil Action No. H-01-0978, entered on August 21, 2001)

Permitted emissions from the H2 Plant in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	13.51	13.51	-
SO_2	5.09	5.09	-
NO_X	497.77	36.27	- 461.50
CO	149.30	149.33	+ 0.03
VOC	38.12	40.90	+ 2.78

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

Pollutant	Before	After	Change
1,3-Butadiene	-	<0.001	+ 0.001
Benzene	0.02	<0.01	- 0.02
Cresol	-	<0.01	+ <0.01
Cumene	-	<0.01	+ <0.01
Diethanolamine	-	0.03	+ 0.03
Ethyl benzene	0.24	0.00	- 0.24
Methanol	12.62	17.03	+ 4.41
n-Hexane	0.93	1.79	+ 0.86
Naphthalene	1.41	0.00	- 1.41
Phenol	-	<0.01	+ <0.01
Toluene	1.61	<0.01	- 1.61
Xylene (mixed isomers)	3.88	<0.01	- 3.88
Total	**20.71**	**18.85**	**- 1.86**
Other VOC (TPY):		22.05	

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Motiva Enterprises LLC - Norco Refinery
Agency Interest No.: 1406
Motiva Enterprises LLC
Norco, St. Charles Parish, Louisiana

Non VOC Toxic Air Pollutants (TAPs)			
Ammonia	-	20.53	+ 20.53
Hydrogen sulfide	-	<0.01	+ <0.01
Total	**-**	**20.53**	**+ 20.53**

The criteria pollutant emissions increase due to the modifications is insignificant; therefore, Prevention of Significant Deterioration Review is not required. The increase in speciated pollutants is not due to any modification but based on current operations.

IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply.

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

V. Credible Evidence

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

VI. Public Notice

A notice requesting public comment on the permit (Title I Modification) was published in The Advocate, Baton Rouge, Louisiana and St. Charles Herald-Guide, Louisiana, on July **, 2009. Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office

of Environmental Services on July **, 2009. The proposed permit was sent to EPA via e-mail on July **, 2009.

VII. Effects on Ambient Air

Emissions associated with the proposed 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 Used: ISCST3

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

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons				
		PM_{10}	SO_2	NO_X	CO	VOC
1-Light Liquid HC Sampling	427 events/month	-	-	-	-	0.32
2-Heavy Liquid HC Sampling	384 events/month	-	-	-	-	0.06
3-Fixed Roof Tank Cleaning (K-471)	1 event/yr	-	-	-	-	0.07
4-Fixed Roof Tank Cleaning (F-470)	1 event/yr	-	-	-	-	0.22
5-Fixed Roof Tank Cleaning (F-472)	1 event/yr	-	-	-	-	0.10
6-Venting to HTS Reactors and Furnace Tubes	1 event/yr	-	-	-	0.01	-
7-LTS Reactor Bypass	1 event/yr	-	-	-	0.001	-

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Motiva Enterprises LLC - Norco Refinery
Agency Interest No.: 1406
Motiva Enterprises LLC
Norco, St. Charles Parish, Louisiana

IX. Insignificant Activities

ID No.:	Description	Citation
IA-A.3-1	Fixed Roof Baker Tank GP7060 (6500 gal)	LAC 33:III.501.B.5.A.3
IA-A.5-1	Oil Fired Portable Heaters (0.15 MM BTU/hr)	LAC 33:III.501.B.5.A.5
IA-A.9-1	Process and Vent Analyzers: A2052, Hydrogen Rich Specific Gravity (16 scf/hr)	LAC 33:III.501.B.5.A.9
IA-A.9-2	Process and Vent Analyzers: A2180, Methanator Feed GC (0.00036 scf/hr)	LAC 33:III.501.B.5.A.9
IA-A.9-3	Process and Vent Analyzers: A2200, Hydrogen Product Purity (2 scf/hr)	LAC 33:III.501.B.5.A.9
IA-A.10-1	Fixed Roof Tank T-102 (560 gal)	LAC 33:III.501.B.5.A.10
IA-A-11-1	F-45 Catalyst Charging Operations (89,760 lb added/removed)	LAC 33:III.501.B.5.A.11
IA-A-11-2	PV-837A Catalyst Charging Operations (104,000 lb added/removed)	LAC 33:III.501.B.5.A.11
IA-A-11-3	PV-837B Catalyst Charging Operations (134,000 lb added/removed)	LAC 33:III.501.B.5.A.11
IA-A-11-4	PV-843 Catalyst Charging Operations (60,000 lb added/removed)	LAC 33:III.501.B.5.A.11
IA-A-11-5	PV-834/835 Catalyst Charging Operations (174,000 lb added/removed)	LAC 33:III.501.B.5.A.11

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

NORCO REFINERY, H2 PLANT
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5▲	9	11	13	15	2103	2111	2113	2121	2115	2141	17	2301	29*	51*	52	56	59*
UNF11	H2P, Hydrogen Plant	1	1	1	1	2			1						1	1		1	1
ARE11	2-03, H2 Plant Process Wastewater Emissions										2					1			
EQT52	1016-95, Fixed Roof Tank (K-471)						2												
EQT53	1096-95, Fixed Roof Tank (K-470)						2												
EQT54	1098-95, Fixed Roof Tank (K-472)						2												
EQT55	2728-04, H2 Plant Heater (F-45A/B)			1	1	1										2			
FUG5	5011-99, H2 Plant Fugitive Emissions							1		1						1			
RLP3	26-71, Sulfinol Treatment Vent										2					1			
RLP4	5012-99, H2 Plant Deaerator Vent										2					1			

* The regulations indicated above are State Only regulations.

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

KEY TO MATRIX

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

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

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

LDEQ-EDMS Document 43691586, Page 10 of 145

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

NORCO REFINERY, H2 PLANT
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61					40 CFR 63 NESHAP						40 CFR	
		A	Db	Dc	J	Kb	XX	GGG	NNN	QQQ	A	J	M	V	FF	A	Q	CC	UUU	5Ds	5Gs	68	82
UNF12	H2P, Hydrogen Plant	1									1		1		1	1		1			2	1	1
ARE11	2-03, H2 Plant Process Wastewater Emissions														1			1					
EQT52	1016-95, Fixed Roof Tank (K-471)					2												2					
EQT53	1096-95, Fixed Roof Tank (K-470)					2												2					
EQT54	1098-95, Fixed Roof Tank (K-472)					2												2					
EQT55	2728-04, H2 Plant Heater (F-45A/B)				1				1														
FUG5	5011-99, H2 Plant Fugitive Emissions							1										1					
RLP3	26-71, Sulfinol Treatment Vent																						
RLP4	5012-99, H2 Plant Deaerator Vent																						

LDEQ-EDMS Document 43691586, Page 11 of 145

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

NORCO REFINERY, H2 PLANT
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61					40 CFR 63 NESHAP						40 CFR	
		A	Db	Dc	J	Kb	XX	GGG	NNN	QQQ	A	J	M	V	FF	A	Q	CC	UUU	5Ds	5Gs	68	82

KEY TO MATRIX

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

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

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

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

LDEQ-EDMS Document 43691586, Page 12 of 145

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

NORCO REFINERY, H2 PLANT
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC
NORCO, ST. CHARLES PARISH, LOUISIANA

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

ID No:	Requirement	Status	Citation	Explanation
UNF12 H2P, Hydrogen Plant	Compliance Assurance Monitoring 40 CFR Part 64	Does not apply	40 CFR 64.42(a)(2)	No control device is used to comply with any standards or limits
ARE11 2-03, H2 Plant Process Wastewater Emissions	Control of Emissions of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.c	VOC emissions are less than 100 lbs for any 24 hour period
EQT52, EQT53 and EQT54 1016-95, 1096-95, and 1098-95 Fixed Roof Tanks	Control of Emissions of Organic Compounds – Storage of Volatile Organic Compounds	Does not apply	LAC 33:III.2103.A	Does not store material having a maximum true vapor pressure 1.5 psia or greater
	NSPS, Subpart K NSPS, Subpart Ka NSPS, Subpart Kb	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Based on date of construction Based on Date of construction Based on capacity and/or vapor pressure
	NESHAP, Subpart CC – Petroleum Refineries, Storage Vessel Provisions	Does not apply	40 CFR 63.640(g)(2)	Does not contain hazardous air pollutants listed in Table 1
EQT55 H2 Plant Heater F-45A/B	Comprehensive Toxic Air Pollutant Emission Control Program – State Only	Exempt	LAC 33:III.5105.B.3.c	Sources fire gas streams having greater than 7000 BTU/lb heating value and generated onsite
RLP3 and RLP4 Sulfinol Treatment Vent	Control of Emissions of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.c	VOC emissions are less than 100 lbs for any 24 hour period

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

LDEQ-EDMS Document 43691586, Page 13 of 145

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

Also Known As:

ID	Name	User Group	Start Date
2520-00002	Motiva Enterprises LLC - Norco Refinery	CDS Number	05-27-1993
13-1299890	Federal Tax Id	Federal Tax ID	11-20-1999
72-0262490	Federal Tax ID #	Federal Tax ID	01-08-2001
76-0567102	Federal Tax Identification Number	Federal Tax ID	11-21-1999
LAD008186579	Motiva Enterprises LLC - Norco Refinery	Hazardous Waste Notification	08-18-1980
CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
2520-0002	Motiva Enterprises LLC - Norco Refinery	Historic Emission Inventory System (EIS) ID	03-03-2004
LAD008186579	Inactive	Inactive & Abandoned Sites	11-01-1979
LA0003522	WPC File Number	LPDES Permit #	06-25-2003
WP0512	WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-2176-L01	Radioactive Material License	Radiation License Number	10-24-2001
2176	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GD-089-0359	Site ID #	Solid Waste Facility No.	08-17-2001
GPD-089-2265	Site ID #	Solid Waste Facility No.	08-17-2001
17667	Shell Oil Co - Norco Manufacturing Complex Refinery	TEMPO Merge	02-21-2001
19277	Motiva Enterprises - Norco Refinery	TEMPO Merge	02-21-2001
33125	Motiva Enterprises LLC/Shell Oil Co/Norco Refinery	TEMPO Merge	04-29-2001
34615	Motiva Enterprises LLC - Norco Refining Plant	TEMPO Merge	02-21-2001
37398	Shell Oil Co Norco	TEMPO Merge	07-05-2001
38782	Motiva Norco Refining Co	TEMPO Merge	05-02-2001
45019	Shell Oil Co - Norco Manufacturing Complex	TEMPO Merge	02-21-2001
47233	Shell Oil Co - Norco Refinery - Motiva LLC Norco Refinery	TEMPO Merge	02-21-2001
71559	Norco Refinery	TEMPO Merge	02-21-2001
70079MTVNR15536	TRI #	Toxic Release Inventory	07-13-2004
45-000831	UST Facility ID (from UST legacy data)	UST FID #	10-12-2002
45-000831	Ust Facility Id Number	UST FID #	09-10-1999
WP0512	WPC State Permit Number	Water Permitting	11-21-1999

Physical Location: 15536 River Rd
(a portion of)
Norco, LA 70079

Main FAX: 5044656360
Main Phone: 5044657609

Mailing Address: PO Box 10
Norco, LA 700790010

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

Location of Front Gate: 29.995372 latitude, -90.410167 longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Anne-Marie Ainsworth	15536 River Rd Norco, LA 70079	anne-marie.ainswort	Responsible Official for
Anne-Marie Ainsworth	15536 River Rd Norco, LA 70079	5044656014 (WP)	Responsible Official for
William Cupp	3433 Hwy 190 PMB 342 Mandeville, LA 70448	9857279832 (WP)	Employed by
William Cupp	3433 Hwy 190 PMB 342 Mandeville, LA 70448	9857279832 (WP)	Underground Storage Tank Contact for
Andrew Englande	PO Box 10 Norco, LA 700790010	5044657011 (WP)	Water Billing Party for
Andrew Englande	PO Box 10 Norco, LA 700790010	ANDREW.ENGLANI	Water Billing Party for
Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Solid Waste Billing Party for
Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Employed by
Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Haz. Waste Billing Party for
Kirk Menard		5044657202 (WP)	Employed by
Kirk Menard		5044657202 (WP)	Hazardous Waste Permit Contact For
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044657994 (WP)	Accident Prevention Billing Party for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044656729 (WF)	Accident Prevention Billing Party for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044156470 (CP)	Accident Prevention Billing Party for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Accident Prevention Billing Party for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Accident Prevention Contact for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044156470 (CP)	Accident Prevention Contact for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044656729 (WF)	Accident Prevention Contact for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044657994 (WP)	Accident Prevention Contact for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Radiation Contact For
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044156470 (CP)	Radiation Contact For
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044656729 (WF)	Radiation Contact For
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044657994 (WP)	Radiation Contact For
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Radiation Safety Officer for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044156470 (CP)	Radiation Safety Officer for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044657994 (WP)	Radiation Safety Officer for
Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044656729 (WF)	Radiation Safety Officer for
Rene' Thoulion	PO Box 10 Norco, LA 700790010	RENE.THOULION@	Emission Inventory Contact for
Rene' Thoulion	PO Box 10 Norco, LA 700790010	5044657264 (WP)	Emission Inventory Contact for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Motiva Enterprises LLC	Attn: Environmental Mgr Norco, LA 700790010	7132416147 (WP)	Owns
Motiva Enterprises LLC	Attn: Environmental Mgr Norco, LA 700790010	7132416147 (WP)	UST Billing Party for
Motiva Enterprises LLC	Attn. Environmental Mgr Norco, LA 700790010	7132416147 (WP)	Emission Inventory Billing Party
Motiva Enterprises LLC	PO Box 10 Norco, LA 700790010	5044657871 (WP)	Air Billing Party for

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

Related Organizations:

Name	Address	Phone (Type)	Relationship
Shell Norco Refinery - Motiva	Invoice Processing Convent, LA 70723		Radiation Registration Billing Party for
Shell Norco Refinery - Motiva	15536 River Rd Norco, LA 70079		Radiation License Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Hydrogen Plant						
ARE 0011	2-03 - H2 Plant Process Wastewater Emissions					8760 hr/yr
EQT 0052	1016-95 - Tank K-471 Fixed Roof	12692 gallons		17134.2 gallons/yr		8760 hr/yr
EQT 0053	1096-95 - Tank K-470 Fixed Roof	51707 gallons		69804.45 gallons/yr		8760 hr/yr
EQT 0054	1098-95 - Tank K-472 Fixed Roof	12692 gallons		17134.2 gallons/yr		8760 hr/yr
EQT 0055	2728-04 - H2 Plant Heater F-45A/B		545.4 MM BTU/hr	414 MM BTU/hr		8760 hr/yr
FUG 0005	5011-99 - H2 Plant Fugitive Emissions					8760 hr/yr
RLP 0003	26-71 - Sulfinol Treatment Vent		1000 tons/day	750 tons/day		8760 hr/yr
RLP 0004	5012-99 - H2 Plant Deaerator Vent		393 SCFM			8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Hydrogen Plant							
ARE 0011	2-03 - H2 Plant Process Wastewater Emissions						
EQT 0052	1016-95 - Tank K-471 Fixed Roof					15	
EQT 0053	1096-95 - Tank K-470 Fixed Roof					22	
EQT 0054	1098-95 - Tank K-472 Fixed Roof					15	
EQT 0055	2728-04 - H2 Plant Heater F-45A/B	24.9	99639	9.21		245	744
FUG 0005	5011-99 - H2 Plant Fugitive Emissions						
RLP 0003	26-71 - Sulfinol Treatment Vent	15.9	3000	2		50	135
RLP 0004	5012-99 - H2 Plant Deaerator Vent	2.1	393	2		50	135

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
UNF 0012	Unit or Facility Wide	H2P - Hydrogen Plant

Group Membership:

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

Annual Maintenance Fee:

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

LDEQ-EDMS Document 43691586, Page 17 of 145

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

SIC Codes:

2911	Petroleum refining	UNF 012

LDEQ-EDMS Document 43691586, Page 18 of 145

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Hydrogen Plant															
ARE 0011 2-03													1.03		4.49
EQT 0052 1016-95													<0.001		<0.01
EQT 0053 1096-95													<0.001		<0.01
EQT 0054 1098-95													<0.001		<0.01
EQT 0055 2728-04	34.09	44.92	149.33	8.28	10.91	36.27	3.08	4.06	13.51	1.16	20.40	5.09	2.23	2.94	9.78
FUG 0005 5011-99													2.13		9.32
RLP 0003 26-71													3.01	4.02	13.20
RLP 0004 5012-99													0.94	1.25	4.11

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

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0011 2-03	1,3-Butadiene	<0.001		<0.001
	Ammonia	<0.001		<0.01
	Benzene	<0.001		<0.01
	Cresol	<0.001		<0.01
	Diethanolamine	0.01		0.03
	Hydrogen sulfide	<0.001		<0.01
	Phenol	<0.001		<0.01
	Toluene	<0.001		<0.01
	Xylene (mixed isomers)	<0.001		<0.01
EQT 0055 2728-04	Ammonia	3.71	4.44	16.23
FUG 0005 5011-99	Ammonia	0.98		4.30
	Benzene	<0.001		<0.01
	Hydrogen sulfide	<0.001		<0.01
	n-Hexane	0.41		1.79
RLP 0003 26-71	Methanol	2.95	3.93	12.92
RLP 0004 5012-99	Methanol	0.94	1.25	4.11
UNF 0012 H2P	1,3-Butadiene			<0.001
	Ammonia			20.53
	Benzene			<0.01
	Cresol			<0.01
	Diethanolamine			0.03
	Hydrogen sulfide			<0.01
	Methanol			17.03
	Phenol			<0.01
	Toluene			<0.01
	Xylene (mixed isomers)			<0.01
	n-Hexane			1.79

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

LDEQ-EDMS Document 43691586, Page 20 of 145

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

ARE 0011 2-03 - H2 Plant Process Wastewater Emissions

1	[40 CFR 61.342(355)(k)]	The benzene quantity for the wastes must be equal to or less than 6.6 tons per year as determined by 40 CFR 61.355(k). Wastes transferred offsite shall be included in the determination of benzene quantity as provided in 40 CFR 61.342(k). The provisions of 40 CFR 61.342(f) shall not apply. Benzene <= 6.6 tons/yr Subpart FF. [40 CFR 61.342(355)(k)] Which Months: All Year Statistical Basis: Annual total
2	[40 CFR 61.342(e)]	As an alternative to the requirements of 40 CFR 63.342(c) and (d) the permittee shall comply with the requirements of 40 CFR 63.342(e) as follows: (1) Shall maintain and treat facility waste with a flow-wieghted annual average water content of less than 10% in accordance with the requirements of 40 CFR 63.342(c)(1); and (2) Shall manage and treat facility waste (including remediation and process unit turnaround waste) wiht a flow-weighted annual average water content of 10% or greater, on avlolume basis as toral water, and each waste stream that is mixed with water or wastes at any time such that the resulting mixture has an annual water content greater than 10%. Subpart FF. [40 CFR 61.342(e)]
3	[40 CFR 61.355]	Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
4	[40 CFR 61.356]	Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
5	[40 CFR 63.647(a)]	Compliance with all the applicable requirements of 40 CFR 61, Subpart FF has been determined to be compliance in accordance with NESHAP, 40 CFR Subpart CC and LAC 33:III.Chapter 51. [40 CFR 63.647(a), LAC 33:III.5109.A]

EQT 0055 2728-04 - H2 Plant Heater F-45A/B

6	[40 CFR 60.104(a)(1)]	Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)] Which Months: All Year Statistical Basis: Three-hour rolling average
7	[40 CFR 60.105(a)(4)]	Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: None specified
8	[40 CFR 60.106(a)]	Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
9	[40 CFR 60.106]	Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
10	[40 CFR 60.13(d)(1)]	In addition to the Selective Catalytic Reduction (SCR) system the permittee shall have equipment/operational data monitored by continuous emission monitor (CEM) daily for NOx. Automatically check the zero (or low level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts of a CEMS in accordance with a written procedure at least once daily. Adjust the zero and span, as a minimum, whenever either the 24-hour zero drift or 24-hour span drift exceeds two times the limit of the applicable performance specification in Appendix B of 40 CFR 60. Subpart A [Consent Decree]. [40 CFR 60.13(d)(1)]
11	[40 CFR 60.662(a)]	The vent stream is introduced into the flame zone of the process heater. Subpart NNN. [40 CFR 60.662(a)]
12	[40 CFR 60 663(c)]	Shall install, calibrate, maintain and operate according to the manufacturer's specifications the following equipment: 1. A flow indicator which records the flow rate atleast once every hour as per 60.663(c)(1); 2. A temperature monitoring device in the firebox equipped with a continuous recorder as per 60.663(c)(2); 3. Montor the heat input to the heater as per 60.663(d). [40 CFR 60.663(c), 40 CFR 60.663(d)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

EQT 0055 2728-04 - H2 Plant Heater F-45A/B

13	[40 CFR 60.665(b)]	For a boiler or process heater submit a report containing the information in 40 CFR 60.665(b)(2)(i). Subpart NNN. [40 CFR 60.665(b)]
14	[40 CFR 60.665(l)]	Submit report: Due semiannually. Submit initial report within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.665(l)(1) through (l)(7). Subpart NNN. [40 CFR 60.665(l)]
15	[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
16	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified
17	[LAC 33:III.1513]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

FUG 0005 5011-99 - H2 Plant Fugitive Emissions

18	[40 CFR 60.592(a)]	Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
19	[40 CFR 60.592(d)]	Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
20	[40 CFR 60.592(e)]	Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
21	[40 CFR 63.648(a)]	Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)]
22	[40 CFR 63.648(h)]	Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]
23	[40 CFR 63.654(d)]	Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]
24	[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.
25	[LAC 33:III.2121.B.1]	Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration.
26	[LAC 33:III.2121.B.2]	Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
27	[LAC 33:III.2121.B.3]	Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided.
28	[LAC 33:III.2121.C.1.a.i]	Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

FUG 0005 5011-99 - H2 Plant Fugitive Emissions

29	[LAC 33:III.2121.C.1.a.ii]	Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Which Months: All Year Statistical Basis: None specified
30	[LAC 33:III.2121.C.1.a.iii]	Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Which Months: All Year Statistical Basis: None specified
31	[LAC 33:III.2121.C.1.b.i]	Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Which Months: All Year Statistical Basis: None specified
32	[LAC 33:III.2121.C.1.b.ii]	Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions). Which Months: All Year Statistical Basis: None specified
33	[LAC 33:III.2121.C.1.b.iii]	Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Which Months: All Year Statistical Basis: None specified
34	[LAC 33:III.2121.C.1.c]	Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year). Which Months: All Year Statistical Basis: None specified
35	[LAC 33:III.2121.C.3.a]	Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Which Months: All Year Statistical Basis: None specified
36	[LAC 33:III.2121.C.3.b]	All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3. Which Months: All Year Statistical Basis: None specified
37	[LAC 33:III.2121.C.4.c]	Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum). Which Months: All Year Statistical Basis: None specified
38	[LAC 33:III.2121.C.4.c]	Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely. Which Months: All Year Statistical Basis: None specified
39	[LAC 33:III.2121.E.1]	When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired.
40	[LAC 33:III.2121.E]	Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request.
41	[LAC 33:III.2121.F]	Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Environmental Technology Division. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

FUG 0005 5011-99 - H2 Plant Fugitive Emissions

42	[LAC 33:III.501.C.6]	The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program.
43	[LAC 33:III.5109.A]	Permittee shall comply with all the applicable requirements of 40 CFR 63, Subpart CC and LA Refinery MACT Determination dated July 26, 1994.
44	[LAC 33:III.5109]	The facility shall comply with its approved Louisiana MACT Leak Determination for Refinery Equipment Leaks (LDREL) dated July 26, 1994, except as noted below: a) As an alternative to the requirements of LDREL, the facility shall monitor valves and pumps in VOC service at the current leak detection limits of 500 ppm per valves and 10,000 ppm for pumps using monitoring procedures of 40 CFR 60, Subpart GGG - Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries and LAC 33:III.2121 - Fugitive Emission Control; b) Connectors will be monitored to detect leaks by the method specified in LDREL Section P with the exception that the leak definition and associated calibration of the detection instrument will be based on 500 ppmv, not 10,000 ppmv; c) Facility shall randomly select connectors by monitoring every nth connector in relation to an identified piece of equipment, with "n" varying for subsequent monitoring periods; d) A connector is in VOTAP service if a piece of equipment either contains or contacts a volatile fluid (liquid or gas) that is at least 10% or more of the sum of all Class I, II, and III organic toxic air pollutants; e) LDREL Section O.2 is not applicable. Instead of tracking connectors monitored to ensure that at least 75% have not been already monitored, statical methods used in the random selection of connectors will be used; f) LDREL Section O.8 will be complied with by pressure testing connectors that have been opened or had the seal broken prior to returning to service instead of mnitoring during the next monitoring period; g) All documentation requirements will be done as part of the existing LDAR program(s) recordkeeping requirements instead through a parallel and separate LDAR program; h) LDREL Section Q.5 and Q.8 are not applicable. The total number of connectors shall not be recorded in a log.

RLP 0003 26-71 - Sulfinol Treatment Vent

45	[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.

RLP 0004 5012-99 - H2 Plant Deaerator Vent

46	[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.

UNF 0012 H2P - Hydrogen Plant

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

UNF 0012 H2P - Hydrogen Plant

47	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
48	[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. [40 CFR 61.145(b)(1)]
49	[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.
50	[40 CFR 61.355]	Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
51	[40 CFR 61.356]	Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61 356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
52	[40 CFR 61.357(d)(2)]	Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]
53	[40 CFR 61.357(d)(6)]	Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
54	[40 CFR 61.357(d)(7)]	Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
55	[40 CFR 61.357(d)(8)]	Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
56	[40 CFR 61.]	All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
57	[40 CFR 63.642(d)(2)]	Submit Notification of the intention to conduct a performance test: Due at least 30 days before the performance test is scheduled Subpart CC. [40 CFR 63.642(d)(2)]
58	[40 CFR 63.642(d)(3)]	Conduct performance tests according to the provisions of 40 CFR 63.7(e), except conduct performance tests at maximum representative operating capacity for the process During the performance test, operate the control device at either maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction. Subpart CC. [40 CFR 63.642(d)(3)]
59	[40 CFR 63.642(e)]	Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
60	[40 CFR 63.642(g)]	Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

UNF 0012 H2P - Hydrogen Plant

61	[40 CFR 63.654(f)]	Submit Notification of Compliance Status: Due within 150 days after the compliance dates specified in 40 CFR 63.640(h). Include the information specified in 40 CFR 63.654(f)(1) through (f)(5). Subpart CC. [40 CFR 63.654(f)]
62	[40 CFR 63.654(g)]	Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]
63	[40 CFR 63.654(h)(1)]	Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
64	[40 CFR 63.654(h)(6)]	Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
65	[40 CFR 63.654(i)(2)]	Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]
66	[40 CFR 63.654(i)(4)]	Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]
67	[40 CFR 63.]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 6 of 40 CFR 63 Subpart CC.
68	[40 CFR 68.Subpart G]	Permittee shall comply with all the applicable requirements of 40 CFR 68, Subpart G - Risk Management Plan.
69	[40 CFR 70.5(a)(1)(iii)]	Submit Title V permit application for renewal: Six months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
70	[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)]
71	[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. [40 CFR 70.6(a)(3)(iii)(B)]
72	[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)]
73	[LAC 33:III.1103]	Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
74	[LAC 33:III.1109.B]	Outdoor burning of waste material or other combustible material is prohibited.
75	[LAC 33:III.1303.B]	Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
76	[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.
77	[LAC 33:III.2141]	Permittee shall comply with all the applicable requirements of LAC 33:III.2141 - Refinery Process Unit Turnarounds.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

UNF 0012 H2P - Hydrogen Plant

78	[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.
79	[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.
80	[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.
81	[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.
82	[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.
83	[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.
84	[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.
85	[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.
86	[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.
87	[LAC 33:III.5107.A]	Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
88	[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).
89	[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.
90	[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.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090004
Permit Number: 2628-V2
Air - Title V Regular Permit Renewal

UNF 0012 H2P - Hydrogen Plant

91	[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.
92	[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.
93	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
94	[LAC 33:III.5109.C]	Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
95	[LAC 33:III.5113.C.1]	Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
96	[LAC 33:III.5113.C.7]	Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
97	[LAC 33:III.5151.F.1.f]	An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
98	[LAC 33:III.5151]	Permittee shall comply with all the applicable requirements of LAC 33:III.5151 - Emission Standard for Asbestos.
99	[LAC 33:III.535]	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
100	[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.
101	[LAC 33:III.5911.C]	Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate.
102	[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. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.