



Louisiana Department of Energy and Natural Resources
Tyler P. Gray Secretary

LOUISIANA CRUDE OIL REFINERY REPORT



TWENTY-NINTH EDITION

Louisiana Office of Energy

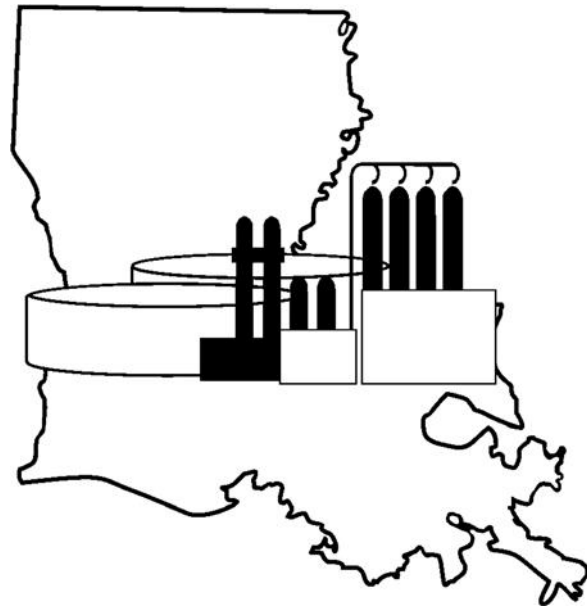
LOUISIANA CRUDE OIL REFINERY SURVEY REPORT

Twenty-Ninth Edition

2024

By Edward O'Brien, III

Refining, Alternative Energy & Power Systems Program



LOUISIANA DEPARTMENT OF ENERGY AND NATURAL RESOURCES

Tyler Gray

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State Energy Office

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Baton Rouge, Louisiana
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Foreword

Since 1989, the Technology Assessment Division of the Louisiana Department of Energy and Natural Resources (DENR) has periodically conducted surveys of Louisiana crude oil refineries. The results of the survey were compiled into a report focusing on developments that have occurred since the previous report. The needs of the survey were dismissed as the U.S. Energy Information Administration (EIA) and the DENR Office of Conservation are providing the same information on their online database, while the report is still a useful tool for state officers, state legislators, citizens, and industries representatives. The report includes an overview of the general direction of the industry and updated information on the current status of refinery ownership, mailing addresses, operating status, and key personnel. Tabulated statistical data, charts, and graphs relating to oil production, refinery crude oil sources, refinery margins, capacities, operating rates, and product slate are also presented. Information on both operating and non-operating refineries that are still intact is included.

The operating refining capacities, operating rates, and product slate statistics presented in this report are prepared from data supplied by EIA's Refinery Capacity Report and DENR Refiner Monthly Report (R3 report). The information on the non-operating refineries is obtained from their owners, trustees, or management personnel and is current within a few weeks of publication. The data used to construct the charts and graphs on oil production, refinery margins, and crude oil sources is obtained from DENR's database.

The time period covered by DENR's current report is January 1, 2024 – December 31, 2024 and is designed to complement the petroleum statistics published by the Energy Information Administration (EIA). DENR gratefully acknowledges permission to use the Oil and Gas Journal Worldwide Refining Survey results to provide another independent dataset for comparison.

The principal terms and phrases used in this report are the same as those used in EIA publications. The definitions of these terms can be found on the glossary of this report. The slight difference in meaning between *operable* and *operating*, when used to specify capacity or utilization rate, has caused some confusion. "Operable" refers to the maximum amount of crude oil capacity that a refinery can utilize to process crude oil in its atmospheric stills; "operating" refers to the amount of crude oil capacity actually utilized. See glossary for detailed definitions.

The Department of Energy and Natural Resources uses the information in this report to enhance the economic development efforts of the State by:

- Developing information on State and Federal energy policies that affect the oil and gas production and refining industries located in the State;
- Helping crude suppliers locate refining sources and refined petroleum product buyers locate sources of supply;

Assisting new industries desiring to site facilities near refineries; and,
 Providing information to parties evaluating refineries for possible purchase.

Figure 1: Map and Highlights of Louisiana Refineries



● **Operating Refineries**

- | | |
|--|--|
| 1 Alon Refining Krotz Spring Inc - Krotz Springs | 10 Equilon Enterprises LLC - Norco |
| 2 Calcasieu Refining Co. - Lake Charles | 13 Phillips 66 - Lake Charles |
| 3 Calumet Lubricants Co - Princeton | 14 Phillips 66 - Alliance |
| 4 Calumet Lubricants Co - Cotton Valley | 15 Placid Refining Co LLC - Port Allen |
| 5 Calumet Shreveport LLC - Shreveport | 17 Valero Refining Co - Meraux |
| 6 Chalmette Refining LLC - Chalmette | 18 Valero Refining Co - Norco |
| 7 Citgo Petroleum Corp - Lake Charles | |
| 8 ExxonMobil Refining & Supply Co - Baton Rouge | |
| 9 Marathon Petroleum Co LLC - Garyville | |

▲ **Non-Operating Refineries**

- | | |
|---------------------------------------|----------------------------------|
| 19 Pelican Refining Co - Lake Charles | 22 Lazarus Energy - Church Point |
| 20 Lazarus Energy - Jennings | |
| 21 Quantum Fuel & Refining - Egan | |

Overview

Louisiana is a primary energy producing state with 451 million barrels in crude and lease condensate reserves (2024), ranking it 11th among the states (3rd if the Louisiana portion of the federal outer continental shelf (OCS) is included). Louisiana ranks 9th among the states in crude oil and lease condensate production, with an estimated 30.3 million barrels produced in 2024. The Central Gulf of Mexico OCS territory is the most extensively developed and matured OCS territory in the United States, and over 90% of this area is located adjacent to the Louisiana coastal boundary. The Central Gulf of Mexico OCS territory has produced approximately 90% of the 26 billion barrels of crude oil and condensate produced in the U.S. OCS areas through the end of 2024.

The discovery of these large quantities of crude oil led to the development of the refining and petrochemical industry in Louisiana. Louisiana’s refining capacity grew with oil production until about 1970 when Louisiana’s oil production peaked and began to decline. Refinery capacity continued to grow by processing more foreign oil and oil from other states as well. Approximately a third of refinery input was foreign crude in 2024.

All refineries and refining companies are not created equal. There are small refineries and large ones. Some are quite complex, while others are relatively simple. A number are part of major, integrated oil companies, and some are independent.

Table 1
Top 10 U.S. Refineries* by Operable Capacity
(As of January 1, 2024)

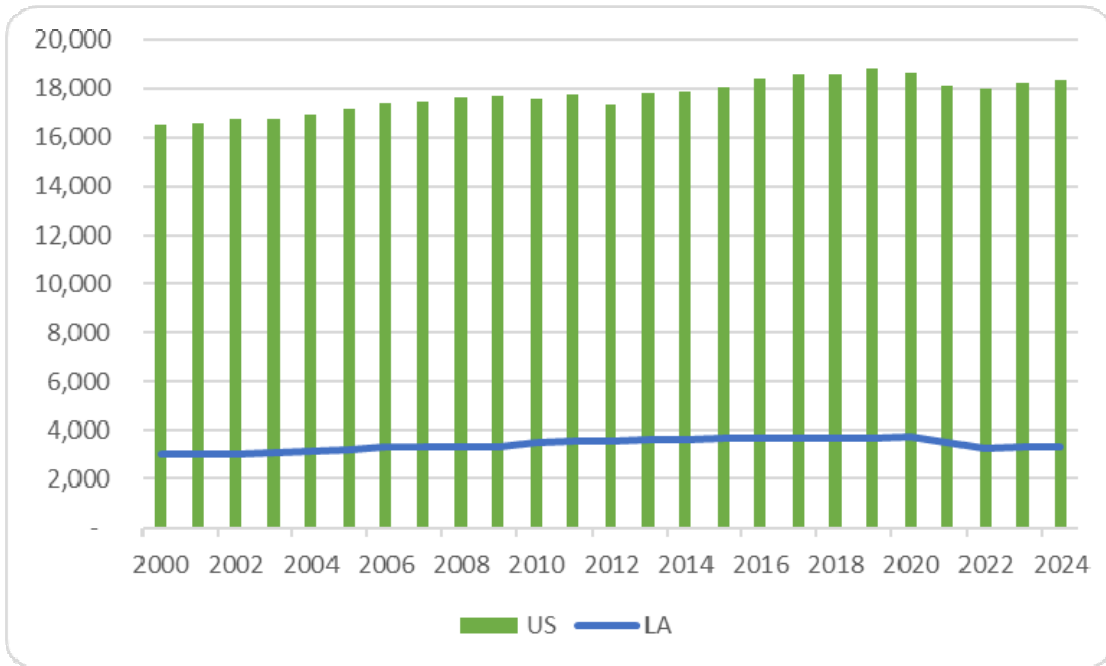
Rank	Corporation	Company	State	Site	Capacity (bcd)
1	Motiva Enterprises LLC	Motiva Enterprises LLC	Texas	Port Arthur	654,000
2	Marathon Petroleum Corp.	Marathon Petroleum Corp.	Texas	Texas City	631,000
3	ExxonMobil Corp.	ExxonMobil Refining & Supply Co.	Texas	Beaumont	609,000
4	Marathon Petroleum Corp.	Marathon Petroleum Co. LLC	Louisiana	Garyville	606,000
5	ExxonMobil Corp.	ExxonMobil Refining & Supply Co.	Texas	Baytown	564,000
6	ExxonMobil Corp.	ExxonMobil Refining & Supply Co.	Louisiana	Baton Rouge	522,500
7	PDV America Inc.	Citgo Petroleum Corp.	Louisiana	Lake Charles	459,000
8	BP PLC	BP Products North America	Indiana	Whiting	435,000
9	Marathon Petroleum Corp.	Los Angeles Refining Division	California	Carson	363,000
10	Chevron USA Inc.	Chevron USA, Inc.	Mississippi	Pascagoula	350,000

*Only refineries with Atmospheric Crude Oil Distillation Capacity

Source: Energy Information Administration, "Refinery Capacity Report 2019"

Figure 2

Operating Capacity of Louisiana and U.S. Refineries
(Million Barrels/Day)



Source: 1950 - 1975: U.S. Bureau of Mines, "Petroleum Refineries in the United States and Puerto Rico" Annual

1976 - 1981: EIA, "Petroleum Refineries in the United States and U.S. Territories" Annual

1982 - 2004: EIA, "Petroleum Supply Annual, Vol. 1"

2005 - 2025: EIA, "Refinery Capacity Report"

Louisiana data from DENR information, as of June 30, 2025

In addition to refining, integrated oil companies are engaged in all other aspects of the petroleum industry which range from the exploration of crude oil to the marketing of finished petroleum products. Independent refiners, on the other hand, purchase most of their crude oil on the open market rather than producing it. Refiners such as Placid Refining Co. and Calcasieu Refining Co. are examples of independent refiners.

Major oil companies dominate the refining industry, the top 10 U.S. refiners, all of them major integrated oil companies, account for about 75% of the total domestic refinery charge capacity. Most of these have operations in Louisiana, as wholly owned facilities such as the Baton Rouge ExxonMobil refinery. A list of the top 10 U.S. refineries by operable capacity is shown on Table 1 (pg. 3).

Many refineries are primarily fuels refineries, some are lube stock refineries, and others are petrochemical refineries. West Lake’s refinery near Lake Charles is a good example of a petrochemical refinery, where some of its products are raw feed for a chemical plant or refinery (Excel Paralubes).

Besides the level of vertical integration of a refiner and the product mix of a refinery, industry analysts also look at capacity and complexity. A "complexity factor" is assigned to each process unit of a refinery based on its relative construction cost. The atmospheric crude distillation unit is assigned a value of one. For example, the cost of a fluidized catalytic cracker is six times greater than an atmospheric crude distillation unit of the same capacity, so its unit complexity factor is six.

Greater complexity does not necessarily go hand-in-hand with larger capacity. Some of the smaller facilities in Louisiana are the most complex. For example, the smaller lube and wax producing refineries of North Louisiana are quite complex when compared to some very large refineries in the state.

EIA statistics show total U.S. petroleum consumption in 2024 decreased .6% to 20.3 million barrels per day (bpd). Finished motor gasoline accounted for 44% at 8.9 million bpd, jet fuel accounted for 1.7 million bpd, and distillate fuel oil accounted for 3.8 million bpd, and residual fuel oil and other petroleum products accounted for 2.2 million bpd in 2024.

Table 2
Top 10 World Refiners by Crude Capacity
(As of January 1, 2025)

World Rank	Company	Crude Capacity ¹ (bcd)
1	Sinopec Corp	6,100,000
2	China National Petroleum	4,980,000
3	ExxonMobil	4,780,000
4	Saudi Aramco	4,310,000
5	Valero Energy	3,250,000
6	Marathon Petroleum Co. LP	3,025,000
7	Petróleos de Venezuela, S.A.	2,950,000
8	PJSC Rosneft Oil Company	2,890,000
9	National Iranian Oil Company	2,100,000
10	Chevron USA, Inc.	1,900,000

Source: *Oil & Gas Journal* 2025 Worldwide Refining Survey

¹Excludes partial interest in refineries not wholly owned by the company.

As reported in the Oil & Gas Journal's 2025 Worldwide Refinery Survey, the yearly worldwide refining capacity decreased to over 103.5 million barrels per calendar day (bcd) in 2024. Oil & Gas Journal reported fewer numbers of refineries than the previous survey. The downturn can be attributed to refinery consolidations and shutdowns. The increase in refinery capacity can be attributed to improvement in technology and expansion to existing facilities rather than construction of new refineries. Table 2 (pg. 5) shows the ranking of the 10 largest refiners in the world according to crude capacity and it excludes partial interest in refineries do not carry the company name. This list differs from one in the previous report; the former ones included partial interest in refineries not wholly owned by the company.



Catalytic cracking technology invented at Exxon Baton Rouge in 1942 helped win WWII. It remains industry standard.
Photo courtesy Exxon Public Affair

Louisiana Refinery

The 2024 Louisiana average refinery operating rate was 92.3% with negligible idle capacity. Figure 3 (pg. 9) compares Louisiana Gulf Coast, Texas Gulf Coast, and total U.S. refinery operating rates since 1990. The operating capacity for Louisiana refineries in 2024 was 2.982 million barrels per calendar day (bcd), 11,000 bcd or negligibly higher than 2023. Table 3 (pg. 8) shows the details of operating capacity and throughput changes between DENR's two most recent surveys. Figure 4 (pg. 12) shows the historical Louisiana and U.S. operating capacity since 1950. Table 5 (pg.13) shows the refinery products slate reported to DENR in the R3 report. Motor gasoline accounted for 39.3% of Louisiana refinery production. The percentages are weighted by the refineries' crude capacity, to reflect the contribution made by each refinery. From the 17 refineries that have atmospheric distillation capacity, only 13 of them produced motor gasoline.

Most of Louisiana's refinery products are exported to other states. According to the most recent data published by the Energy Information Administration (EIA), Louisiana itself consumes about 241 million barrels of petroleum products. This represents only 19.0% of the 1,272 million barrels of petroleum products its refineries produce.

Louisiana refineries continue to obtain most of their crude supply from outside the state as oil production within the state continues to decline. Only about 3.1% comes from Louisiana. The outside sources supplying crude to Louisiana refineries are, the federal OCS provided the most at 52.1%, other states are next at 30.9%, and foreign countries at 13.9%.

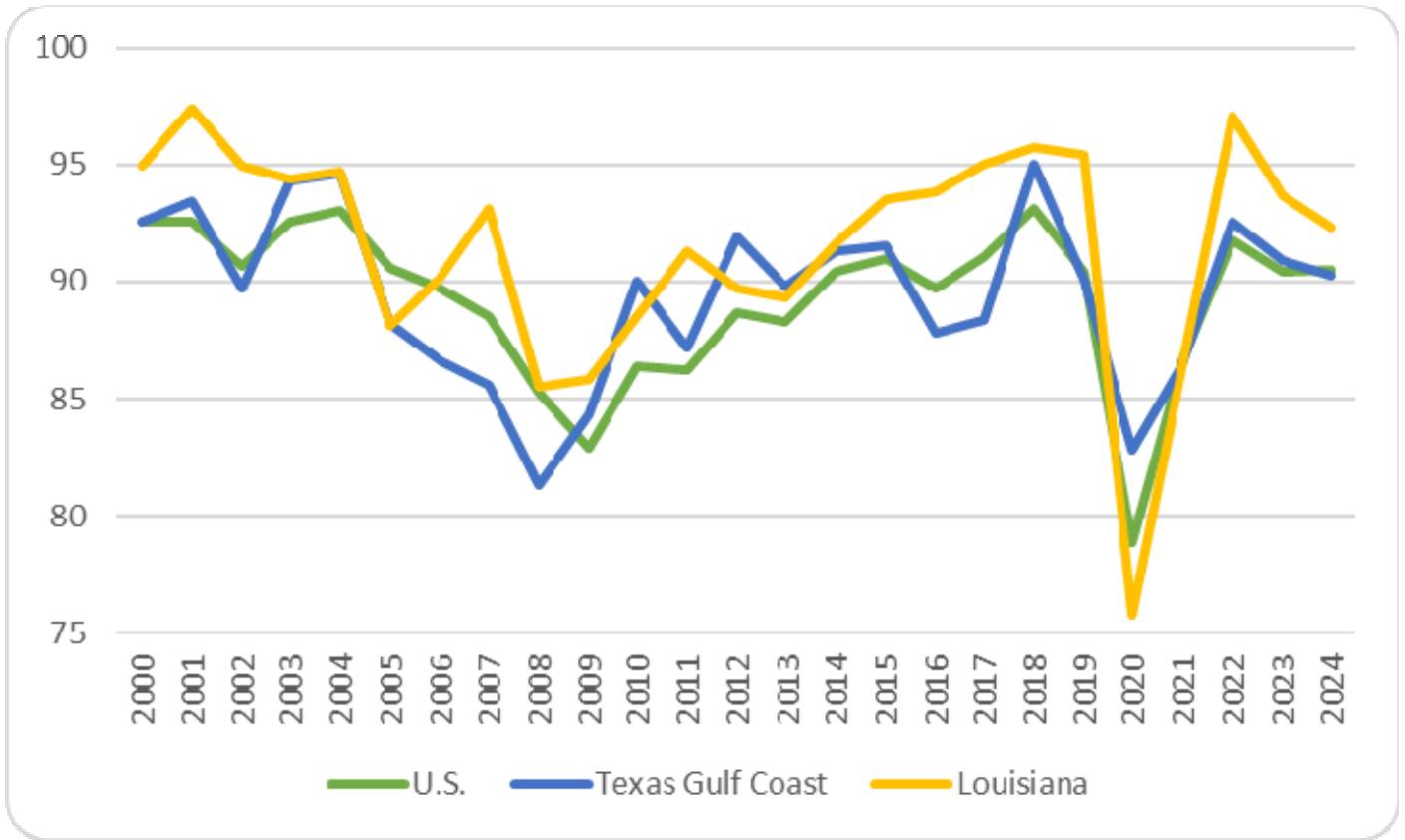
Generally, the smaller refineries use a greater percentage of Louisiana crude than the large refineries to satisfy their total requirements. Figure 6 (pg. 17) shows the percentage crude source for each Louisiana refinery for 2024.

Table 3
Louisiana Operating Refineries ¹
Capacity and Throughput Changes from DENR Survey

Refinery Name	Operating capacity as of 12/31/2024 (bcd)	Capacity Change From 2023 to 2024 (bcd)	Throughput 1/1/2024 - 12/31/2024 (Barrels)	Throughput Change From 2023 to 2024 (Barrels)	Capacity Change (%)	Throughput Change (%)
Alon Refining Krotz Springs Inc Krotz Springs	80,000	0	27,163,128	-344,141	0.00	-11.25
Calcasieu Refining Co	135,500	9,000	37,513,881	6,385,826	11.25	20.51
Calumet Lubricants Co LP Cotton Valley	13,020	0	3,630,844	288,497	0.00	8.63
Calumet Lubricants Co LP Princeton	8,300	0	3,845,959	596,800	0.00	18.37
Calumet Shreveport LLC Shreveport	57,000	0	666,771	151,938	0.00	29.51
Chalmette Refining LLC Chalmette	190,000	0	64,155,136	2,421,603	0.00	3.92
Citgo Petroleum Corp Lake Charles	459,000	0	167,529,707	47,244,062	0.00	39.28
ExxonMobil Refining & Supply Co Baton Rouge	522,500	0	272,947,748	18,234,930	0.00	7.16
Marathon Petroleum Co LLC Garyville	606,000	10,000	277,371,923	4,807,099	1.65	1.476
Shell Oil Co Norco	231,827	0	27,304,305	5,992,198	0.00	7.63
Phillips 66 Belle Chasse	263,700	0	103,929,975	6,711,633	0.00	6.90
Placid Refining Co Port Allen	75,000	0	42,704,394	-3,252,573	0.00	-7.08
Valero Refining Co Meraux	125,000	0	52,285,950	1,241,750	0.00	2.43
Valero Refining Co Norco	215,000	0	106,856,091	5,763,501	0.00	5.70
Totals	2,981,847	19,000	1,187,905,812	899,535,043	0.64	5.20

¹ Louisiana operating refineries with no atmospheric distillation capacity were not surveyed by DENR and not included in this table. These facilities are listed in Table 10.

Figure 3
Operating Rates (%)
U.S., Texas Gulf Coast, Louisiana Gulf Coast Refineries



* Louisiana Gulf Coast includes the parishes of Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all parishes south thereof, Mississippi counties of Pearl River, Stone, George, Hancock, Harrison, and Jackson, and Alabama counties of Mobile and Baldwin.

Source: EIA, "Petroleum Supply Annual, Volume 1"

Table 4
Louisiana Operating Refineries Crude Capacity ¹
Data as of December 31, 2024 DENR Survey

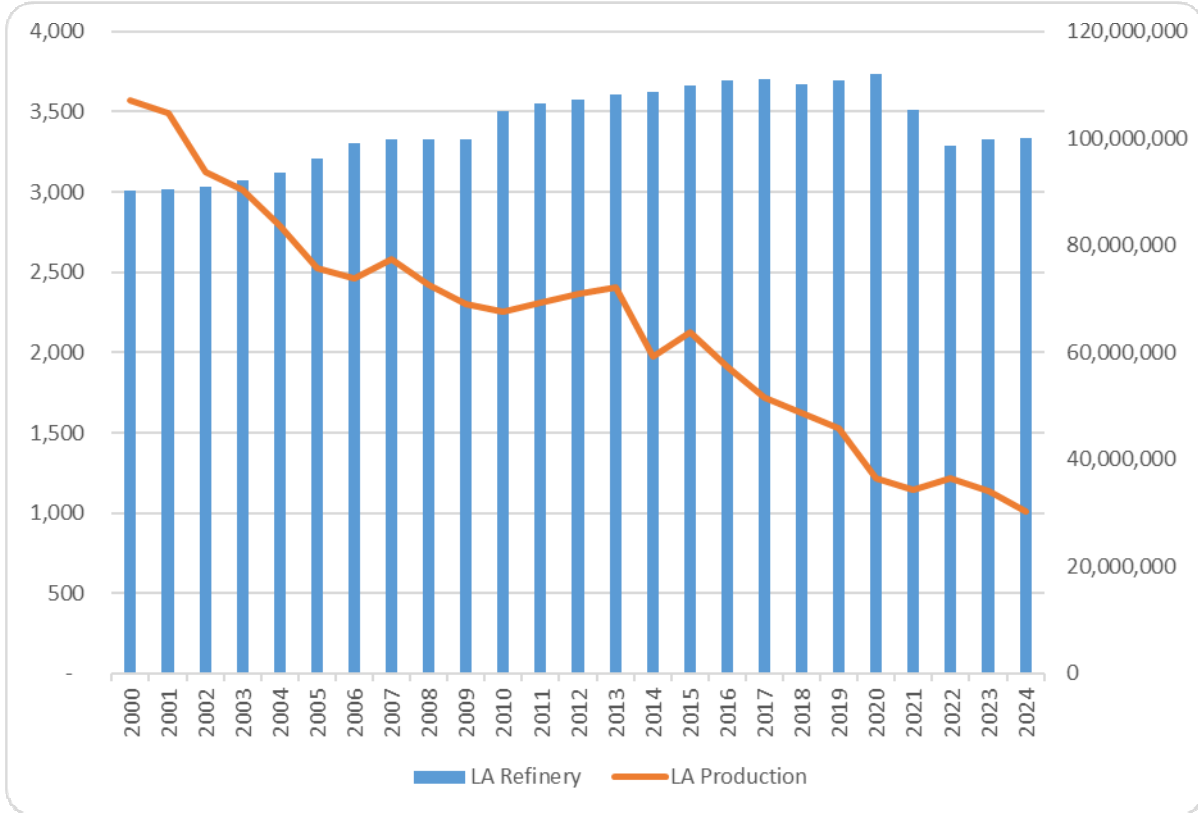
Data in this table may differ from data reported elsewhere for a different time period.

Refinery Name	DENR FAC Code	Operating capacity as of 12/31/2024 (bcd)	Operating rate (%)	Idle capacity (bcd)	Throughput 1/1/2024-12/31/2024 (Barrels)
Alon Refining Krotz Springs Inc Krotz Springs	HLL	80,000	93.0%	0	27,163,128
Calcasieu Refining Co Lake Charles	CLC	135,500	75.9%	0	37,513,881
Calumet Lubricants Co LP Cotton Valley	CTT	13,020	76.4%	0	3,845,959
Calumet Lubricants Co LP Princeton	CLM	8,300	101.8%	0	2,340,686
Calumet Shreveport LLC Shreveport	ATL	57,000	3.2%	0	666,771
Chalmette Refining LLC Chalmette	TNN	190,000	92.5%	0	64,155,136
Citgo Petroleum Corp Lake Charles	CTS	459,000	103.8%	0	167,529,707
ExxonMobil Refining & Supply Co Baton Rouge	EXX	522,500	102.7%	0	272,947,748
Marathon Petroleum Co LLC Garyville	MRT	606,000	100.6%	0	277,371,923
Shell Oil Co Norco	SHL	231,827	32.5%	0	27,304,305
Phillips 66 West Lake	CNB	263,700	100.5%	0	103,929,975
Placid Refining Co Port Allen	PLC	75,000	99.2%	0	42,704,394
Valero Refining Co Meraux	MRP	125,000	98.2%	0	52,285,950
Valero Refining Co Norco	GDH	215,000	99.5%	0	106,856,091
Weighted State Average			92.3%		
Total Louisiana		2,981,847		0	1,272,392,922

¹Louisiana operating refineries with no atmospheric distillation capacity were not surveyed by DENR and not included in this table. These facilities are listed in table 10.

Figure 4

Louisiana Oil Production (Excluding OCS) and Refinery Operable Capacity



Source: Oil historical and projected production data from DENR Technology Assessment Division; and refinery capacity data from DENR database and EIA, "Petroleum Supply Annual, Vol. 1" and EIA, Refinery Capacity Data Report

Table 5
Louisiana Operating Refineries
Product Slate Percentages
2024 DENR's R3 Report

	110	140	220	230	290	320	340	350	390	410	490	510	520	590	610
HLL	-	7.8%	40.1%	0.0%	22.6%	20.2%	9.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CLC	-	0.0%	0.0%	0.0%	32.4%	24.5%	16.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	26.1%	0.8%
CTT	-	42.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	21.3%	27.1%	0.0%	9.3%	0.0%	0.0%	0.0%
CLM	-	0.0%	0.0%	0.0%	68.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	31.7%	0.0%
ATL	-	47.7%	31.8%	3.5%	0.0%	0.0%	0.5%	0.0%	0.6%	13.0%	0.0%	0.0%	0.0%	0.0%	3.0%
TNN	-	0.0%	37.5%	0.0%	11.1%	0.0%	25.8%	0.0%	5.9%	0.0%	5.9%	0.0%	3.8%	6.7%	3.3%
CTS	-	0.0%	45.3%	10.5%	5.0%	0.0%	0.0%	0.0%	29.2%	0.0%	2.2%	0.0%	3.2%	0.6%	3.8%
SHL	-	25.7%	45.2%	8.3%	0.0%	0.0%	16.5%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	2.8%	0.1%
EXX	-	3.9%	36.9%	8.1%	18.0%	0.0%	20.1%	0.2%	0.4%	2.4%	0.4%	0.0%	3.8%	3.3%	2.6%
MRT	-	0.5%	46.5%	0.0%	2.1%	0.0%	39.2%	0.0%	0.0%	0.0%	0.7%	2.1%	4.1%	0.4%	4.3%
CNB	-	4.5%	31.8%	15.9%	0.1%	0.1%	19.2%	0.0%	4.0%	0.0%	13.3%	0.0%	5.6%	1.6%	3.9%
PLC	-	0.2%	54.8%	8.5%	0.0%	0.0%	16.7%	0.1%	0.0%	0.0%	7.8%	3.3%	0.0%	7.0%	1.4%
GDH	-	0.0%	36.4%	0.0%	8.6%	0.0%	42.6%	0.0%	0.0%	0.0%	0.2%	0.0%	7.2%	1.8%	3.2%
MRP	-	0.0%	26.8%	0.0%	6.7%	11.1%	33.8%	0.0%	0.1%	0.0%	19.2%	0.0%	0.0%	0.2%	2.2%

⁴See products code definition on page 14

Source: DENR Database - Refiner's Monthly Report, R-3 Report

Refinery's Product Codes (Used in Table 5)

Product Code 110

This includes (a) crude oil from the well, these hydrocarbons existed in liquid phase in underground reservoirs and remain liquid in atmospheric conditions; (b) condensate, natural gasliquids recovered from gaswell gas; and (c) raw make a conglomerate of liquid hydrocarbons which has been through a recovery process only.

Product Code 140

Other unfinished oils that were not be included in product code 110, but require further processing to become marketable.

Product Code 210

Aviation gasoline a special grades of gasoline for use in aviation reciprocating engines .Include all refinery products within the gasoline range that are to be marketed straight or in blends asaviation gasoline.

Product Code 220 (included Product Code 210 and 330 volume)

This includes (a) motor gasoline (P.C. 220) a mixtures of relatively volatile hydrocarbons which have been blended to form a fuel suitable for use in spark ignition engines such as leaded motor gasoline, unleaded motor gasoline, and all refinery products to be marketed as motor gasoline without further processing such as gasohol; and (b) casinghead gasoline (P.C. 330) which are recovered from the "wet gas" which accompanies crude oil from the well or from "wet" natural gas which contains an appreciable amount of heavier hydrocarbons of which LP gases and gasoline are composed.

Product Code 230 (included Product Code 310 volume)

Jet fuel this includes (a) Naphtha type jet fuel (P.C. 230), a fuel in the heavy naphtha boiling range, used for turbojet and turboprop aircraft engines, primarily by the military; (b) Kerosene type jet fuel (P.C. 310) a quality kerosene used primarily as fuel for commercial turbojet and turboprop aircraft engines.

Product Code 290

Other light distillates are all light distillate products which do not qualify as aviation gasoline, motor gasoline or naphtha type jet fuel.

Product Code 320

Kerosene a petroleum distillate which is cleans burning and suitable as an illuminant when burned in wick lamps. Include grades of kerosene called range oil having properties similar to No. 1 fuel oil.

Product Code 340

Diesel fuel is distillate oils and diesel oils with a distillation range from 10 percent point at 400 degrees Fahrenheit to 90 percent point at 640 degrees Fahrenheit. Include No. 1 and No. 2 heating oil, No. 1-D and No. 2-D diesel fuel, marine and military diesel fuels

Product Code 350

Number 4 Fuel Oil is fuel oil blend for commercial burner installations not equipped with pre-heating facilities.

Product Code 390

Include all middle distillate products which do not qualify as kerosene, kerosene type jet fuel, casinghead gasoline, diesel fuel or number 4 fuel oil.

Product Code 410

Include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases, and all marketable waxes should also be included whether crude scaled or refined.

Product Code 490

Include all heavy distillate products which are not lubricants or waxes.

Product Code 510

Asphalt is a mix of finished asphalt products such as cements, fluxes, the asphalt content of emulsions (exclusive of water) and petroleum distillates blended with asphalt to make cutback asphalts.

Product Code 520

Petroleum coke is a solid residue, the final product of the condensation process in cracking, consisting mainly of highly polycyclic aromatic hydro-carbons very poor in hydrogen. Include both marketable and catalyst.

Product Code 590

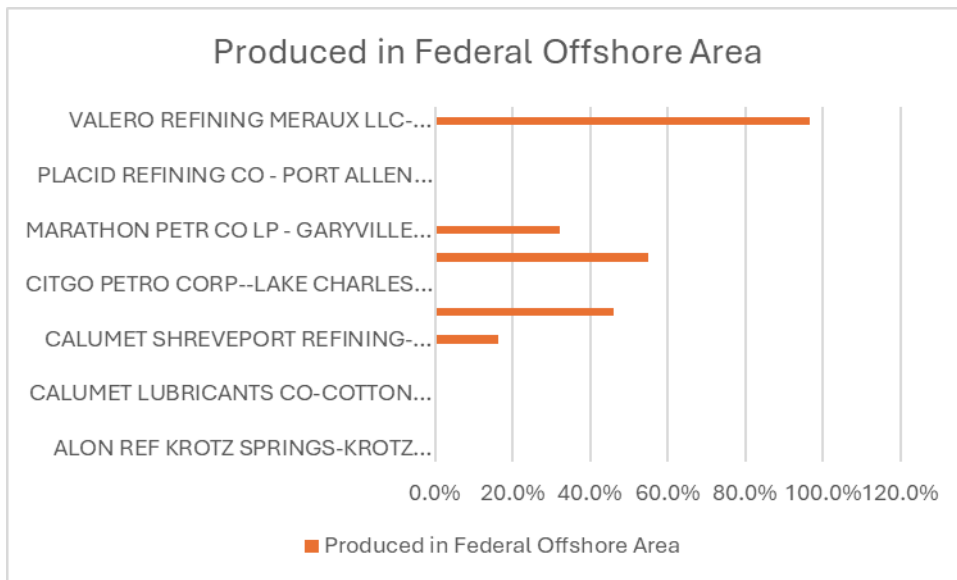
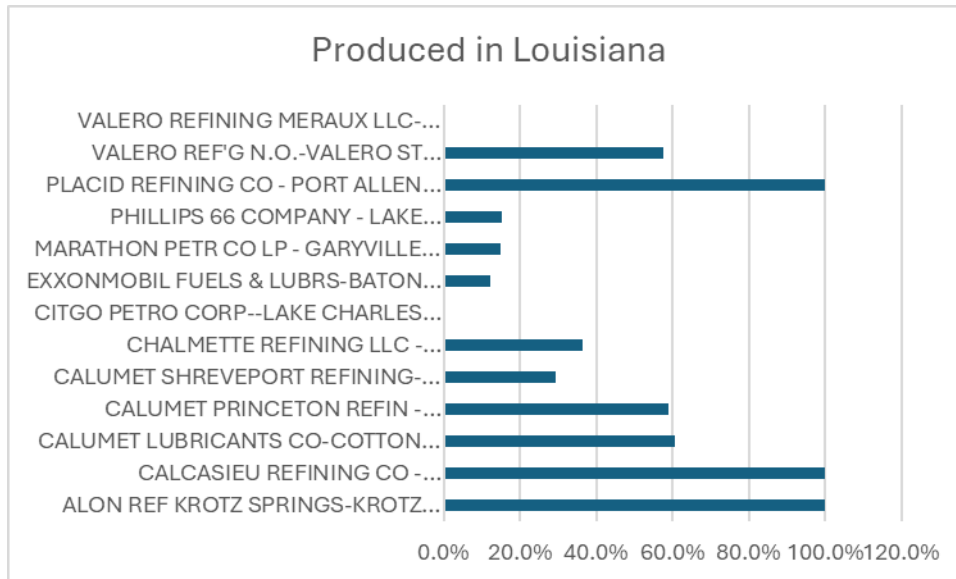
Include all refinery residue products which do not qualify as asphalt or petroleum coke.

Product Code 610

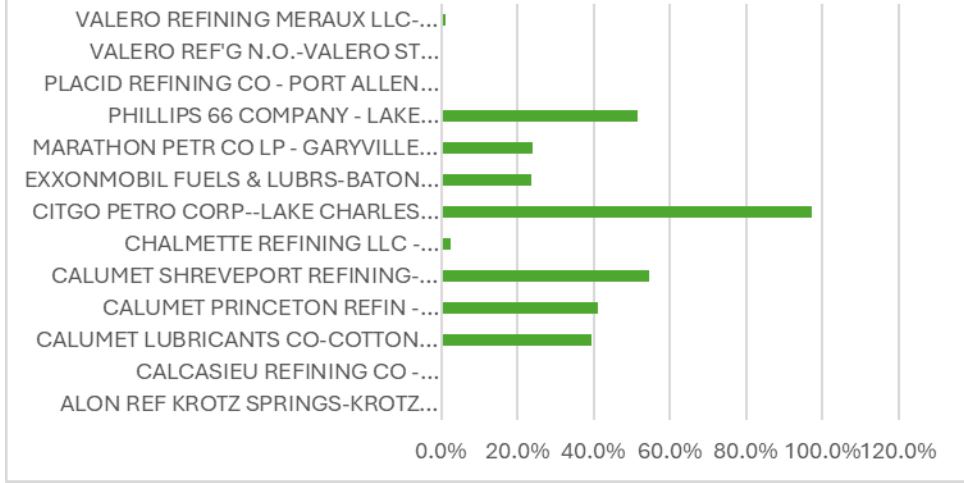
Any form or mixture of gas produced in refineries by distillation, cracking, reforming and other processes. Include still gas used for petrochemical feedstock and other uses sometimes called still gas.

In some cases the % of Total Product Slate in Table 5 did not add up to 100. We did not change any of the numbers reported, but normalized the figures to derive the weighted totals for each product. The above product code is similar to the one used in the Refiner's Monthly Report (R3).

Figure 5
Crude Oil Input Percentages by Source and Refinery
2024 DENR's R3 Report



Produced in Other States



Produced in Other Countries

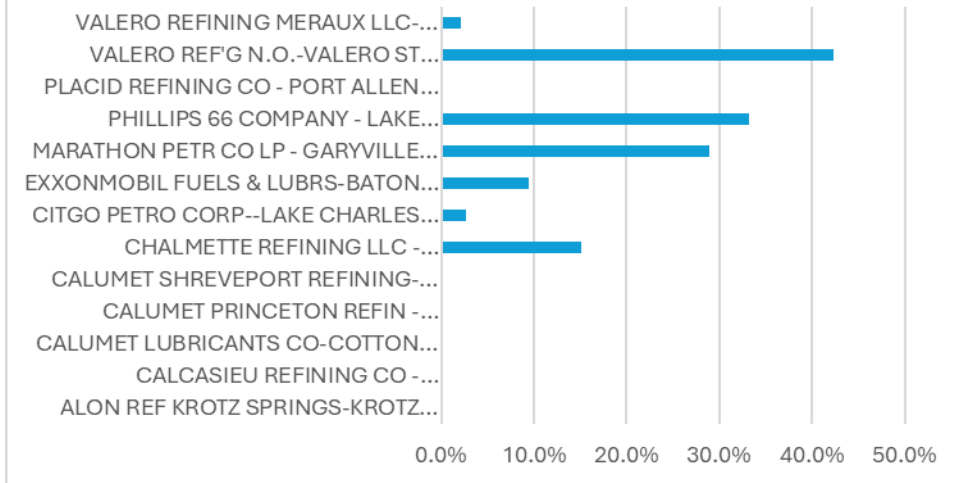


Table 6
Crude Oil Input Percentages by Source and Refinery
2024 DENR's R3 Report

Alon Refining Krotz Springs Inc Krotz Springs	HLL	100.0	0.0	0.0	0.0
Calcasieu Refining Co Lake Charles	CLC	100.0	0.0	0.0	0.0
Calumet Lubricants Co Princeton	CTT	59.8	0.0	41.1	0.0
Calumet Lubricants Co Cotton Valley	CLM	60.6	0.0	39.4	0.0
Calumet Shreveport LLC Shreveport	ATL	29.2	16.2	54.6	0.0
Chalmette Refining LLC Chalmette	TNN	36.5	46.0	2.3	15.1
Citgo Petroleum Corp Lake Charles	CTS	11.2	0.0	97.3	2.7
Shell Oil Products US Norco	SHL	N/A	N/A	N/A	N/A
ExxonMobil Refining & Supply Co Baton Rouge	EXX	12.1	54.8	23.6	9.5
Marathon Petroleum Co LLC Garyville	MRT	15.0	32.2	23.8	28.9
Phillips 66 West Lake	CNB	15.4	0.0	51.5	33.1
Placid Refining Co LLC Port Allen	PLC	100.0	0.0	0.0	0.0
Valero Refining Co Meraux	MRP	0.0	96.8	1.1	2.1
Valero Refining Co Good Hope	GDH	57.6	0.0	0.0	42.4

Source: DENR Database, from Refiner's Monthly Report, Form R-3

**Table 7
Louisiana Operating Refinery Name History (1980-202)**

Refinery Name	Date	FAC/Conservation Code & Location	Refinery Name	Date	FAC/Conservation Code & Location
ExxonMobil Refinery and Supply Co Exxon Co USA	1999- 1980-99	EXX / 9140 Baton Rouge	Alon Refining Krotz Springs Inc Valero Refining Co Basis Petroleum Inc Phibro Energy USA Inc Phibro Refining Inc Hill Petroleum Co	2008- 1997-07 1996-96 1993-95 1992-92 1980-91	HLL / 9151 Krotz Springs
Phillips 66 ConocoPhillips Phillips Petroleum Co B.P. Amoco PLC B.P. Oil Corp Standard Oil Co Gulf Refining & Marketing Co Gulf Oil Corp Gulf Oil Co US	2013- 2003-12 2000-02 1999-00 1989-98 1986-88 1985-85 1981-84 1979-80	STN / 9148 Belle Chasse	Calcasieu Refining Co CPI Oil & Refining Inc Calcasieu Refining Ltd	1985- 1982-84 1980-81	CLC / 9118 Lake Charles
Chalmette Refining LLC Mobil Oil Corp Tenneco Oil Co	1998 - 1989-98 1980-88	TNN / 9174 Chalmette	Citgo Petroleum Corp Cities Service Co	1984- 1980-83	CTS / 9126 Lake Charles
Equilion Enterprises LLC Motiva Enterprises LLC Star Enterprises Texaco Refining & Marketing Texaco Inc	2018- 1998-17 1989-98 1985-88 1980-84	TXC / 9180 Convent	Phillips 66 ConocoPhillips Conoco Inc Conoco Continental Oil Co	2013- 2003-12 1982-02 1980-81 1979	CNB / 9129 Lake Charles
Calumet Lubricants Co LP Kerr-McGee Refining Corp Kerr-McGee Corp Cotton Valley Solvents Co	1996- 1985-95 1983-84 1980-82	CTT / 9156 Cotton Valley	Valero Refining Meraux Murphy Oil USA Inc Murphy Oil Corp	2011- 1984-11 1980-83	MRP / 9161 Meraux
Marathon Petroleum Co LLC Marathon Ashland Petroleum LLC Marathon Oil Co Marathon Petroleum Co Marathon Oil Co	2005- 1998-04 1992-98 1985-91 1980-84	MRT / 9159 Garyville	Equilion Enterprises LLC Motiva Enterprises LLC Shell Oil Co	2018- 1998-17 1980-98	SHL / 9163 Norco
Valero Refining Co Orion Refining Corp TransAmerican Refining Co TransAmerica Refining Co GHR Energy Corp Good Hope Refineries Inc Good Hope Industries Inc	2004- 1999-03 1992-98 1988-91 1982-87 1981-81 1980-80	GDH / 9144 Norco	Calumet Lubricants Co LP Calumet Refining Co Placid Refining Co	1991- 1980-90 1980-	CLM / 9117 Princeton PLC / 9165 Port Allen
			Calumet Shreveport LLC Calumet Lubricants Co LP Pennzoil-Quaker State Corp Pennzoil Producing Co Pennzoil Products Co Pennzoil Co Atlas Processing Co	2005- 2000-04 1999-00 1992-98 1986-91 1985-85 1980-84	ATL / 9104 Shreveport

Source: DENR Database - Refiner's Monthly Report, R-3 Report

Table 8
Louisiana Operating Refinery Mailing Address and Contact Information

Company Name	Mailing Address	Contacts	Telephone
Alon Refining Krotz Springs Inc 9151	PO Box 453 Krotz Springs, LA 70750 0453	Randy W. Krantz Paul Eisman - President & CEO Shai Even - Senior VP & CEO	(337) 566 0172 (337) 566 0114
Calcasieu Refining Co 9118	4359 W. Tank Farm Rd. Lake Charles, LA 70605	Don Johnson Russ Willmon - President Dennis Lawson - Controller	(337) 480 6609 (337) 480 6637
Calumet Lubricants Co LP 9156	PO Box 97 Cotton Valley, LA 71018	Lance Rainwater Jennifer Straumns - President Timothy Barnhart - Executive VP	(318) 832 4323 (318) 832 4236
Calumet Lubricants Co LP 9117	10234 La Hwy. 157 Princeton, LA 71067-9172	Jerry Arnold - VP Refining Jennifer Straumns - President Tim Go - CEO	(318) 949 2421
Calumet Shreveport LLC 9104	PO Box 3099 Shreveport, LA 71133	Laura Ellis F. William Grube - President Kevin Farley - Plant Manager	(318) 632 4264 (318) 632 4063
Chalmette Refining LLC 9174	PO Box 1007 Chalmette, LA 70044	Lisa D. Schell Jerry Forstell - Refinery Manager Marcys R. Valenciano - Process MGR	(504) 281 1377 (504) 281 6266
Citgo Petroleum Corp 9126	PO Box 1562 Lake Charles, LA 70602-1562	Melinda Sharp Tomeu Vadell - VP and GM Adell Jenkins - LC Mger FS	(337) 708 7217 (337) 708 6357
Excel Paralubes	2800 Old Spanish Trail Westlake, LA 70669	Megan Hartman	(337) 491 4443
ExxonMobil Refining and Supply Co 9140	PO Box 551 Baton Rouge, LA 70821-0551	Brian Blakemore James D Glenen - Proc. Div. Manager Steven Blume - Refinery Manager	(225) 977 7136 (225) 977 8888
Marathon Petroleum Co LLC 9159	PO Box AC Garyville, LA 70051	Tracy Calvin T. Case - Division Manager	(985) 535 2241
Source: DENR Database - Org. Mail Address List & Contacts / Officers Search			

Table 8 (Continued)
Louisiana Operating Refinery Mailing Address and Contact Information

Company Name	Mailing Address	Contacts	Telephone
Phillips 66 9129	PO Box 37 Westlake, LA 70669	Grant Jones Greg C. Garland - Chairman & CEO Steve G. Geiger - Manager LK Refinery	(337) 491 4913
Placid Refining Co 9165	1940 La Hwy 1 North Port Allen, LA 70767	Chris Wilson Daniel R. Robinson - President Keith Passman - GM	(225) 386 7458 (225) 387 0278
Shell Chemical LP 9170	PO Box 10 Norco, LA 70079-0630	Brett Woltjen - General Manager Joe Gilbert - Engineering Manager Dai V. Nguyen - Production Manager	(504) 465 7222
Valero Refining Co 9144	PO Box 537 Norco, LA 70079	Robert L. Smith - Ref. Oper. Manager Ralph Phillip - VP & General Manager James Holsapple - Oil Mov. Manager	(985) 764 5839 (985) 764 8611
Valero Refining Co 9161	1615 E. Judge Perez Chalmette, LA 70043	Tim Andrews Jack E. Merrill - VP & General Manager	(504) 278 5245

Source: DENR Database - Org. Mail Address List & Contacts / Officers Search

Table 9
Louisiana Operating Refinery Physical Locations

Company Name	Physical Location
Alon Refining Krotz Springs Inc	356 S. Levee Rd. Krotz Springs, LA 70750
Calcasieu Refining Co	4359 W. Tank Farm Rd. Lake Charles, LA 70605
Calumet Lubricants Co LP	1756 Old Hwy. 7 Cotton Valley, LA 71018
Calumet Lubricants Co LP	10234 Hwy. 157 Princeton, LA 71067
Calumet Shreveport LLC	3333 Midway St. Shreveport, LA 71109
Chalmette Refining LLC	500 W. St. Bernard Hwy. Chalmette, LA 70044
Citgo Petroleum Corp	4401 Hwy. 108 Sulphur, LA 70665
Excel Paralubes	2800 Old Spanish Trail Westlake, LA 70669
ExxonMobil Refining and Supply Co	4045 Scenic Hwy. Baton Rouge, LA 70805
Marathon Petroleum Co LLC	4663 West Airline Hwy. Garyville, LA 70051
Shell Oil Co	15536 River Rd. Norco, LA 70079
Phillips 66	2200 Old Spanish Trail Rd. Westlake, LA 70669
Placid Refining Co	1940 La. 1 North. Port Allen, LA 70767
Valero Energy Corp	14902 River Rd. Norco, LA 70079
Valero Refining Co	2500 E. St. Bernard Meraux 70075

Source: DENR Database - Refiner's Monthly Report, R-3 Report

Table 10
Louisiana Operating Refinery Not Surveyed by DENR

Company Name	Physical Location	Capacity (bcd)	Process	Product	FAC/Conservation Code & Location
Excel Paralubes ¹	2800 Old Spanish Trail Westlake, LA 70669 (337) 497-4900	42,000 ²	Catalytic hydrocracking	Lubes	EXC / N/A ³ Westlake
Shell Chemical LP ¹ Norco	15536 River Road Norco, LA 70079 (504) 465-7342	Part of the Norco Manufacturing Complex	Part of the Norco Manufacturing Complex	Ethylene, propylene and butadiene	SCN / 9170 Norco

streams.

² Source: Energy Information Administration, "Refinery Capacity Report 2015"

³ N/A Not Available

Excel Paralubes

It started as a lube hydrocracker facility a 50-50 joint venture between Conoco and Pennzoil (in 2003-04 Pennzoil sold its share to Flint Hills Resources) in 1994 located in Westlake, Louisiana. Later the lube plant was upgraded to be a refinery with the addition of 40,000 bpd atmospheric distillation capacity, 60,000 barrels per day (bpd) vacuum distillation capacity and 34,000 bpd catalytic reforming capacity. The lubes plant's main units are a 32,000 bpd hydrocracker and a 20,000 bpd Isodewaxing unit. The lubes plant also includes two sulfur-recovery units. Excel Paralubes sits adjacent to a 260,000 bpd refinery owned by Phillips 66. This refinery provides Vacuum Gas Oil (VGO) to Excel Paralubes vacuum distillation tower, where 15,000 bpd of lighter distillates are removed and returned to the Phillips 66 refinery. Recent survey by EIA says its catalytic hydrocracking has 42,000 bpd capacity.

Shell Chemical LP

The Shell Chemical LP owns the plant which produces ethylene and butadiene using a variety of feedstock including crude oil. Technically this a chemical plant but is considerate as refinery by the Louisiana Office of Conservation, but EIA and O&G Journal consider it as part of the Norco Manufacturing Complex.

**Table 11
Louisiana Non-Operating Refinery Name History (1980-2025)**

Refinery Name	Dates	FAC/Conservation Code & Location
Temco Liquids Sooner Refining Co	1991-93 1980-82	SNR / 9178 Bayou Black
Ida Gasoline	1981-92	IGB / 9152 Belcher
Tina Resources Inc Cameron Oil Refining Co Inc Cameron Resources Cameron Resources Mallard Resources Inc	1993-96 1992-92 1990-91 1990-91 1980-89	MLL / 9158 Cameron
Lazarus Energy Holdings LLC Canal Refining Co	2006- 1980-06	CNL / 9120 Church Pt.
Crystal Refining Inc Conoco Inc Continental Oil Co	1989-91 1980-89 1979	CAN / 9171 Crowley
Laidlaw Environmental Systems GSX Recovery Systems	1992-92 1983-91	TSR / 9150 Crowley
Quantum Fuel & Refining U.S. Refining Inc Britt Processing & Refining Co OGC Corp Louisiana Oil Refining Co of Egan	1998- 1994-98 1992-93 1988-88 1987-87	LOR / 9164 Egan
Bayou State Oil Corp	1980-06	BYS / 9114 Hosston

Refinery Name	Dates	FAC/Conservation Code & Location
Shepard Oil Co	1980-82	SHP/ 9172 Jennings
Evangeline Refining Co	1980-92	EVN / 9135 Jennings
Pelican Refinery American Int'l Refining Inc Gold Line Refining Ltd American Int'l Refining Inc Lake Charles Refining Co Aweco	2004- 1997-04 1992-97 1989-91 1980-88 1979-79	LKC / 9102 Lake Charles
Lisbon Refinery J.V LLC Padre Refining Co Arcadia Refining & Mktg. Co Dubach Gas Co Claiborne Gasoline Co	1998-07 1997-98 1995-96 1992-94 1980-91	CLB / 9125 Lisbon
Lazarus Energy Holdings LLC Gold Line Refining Co Ltd CAS Refining Celeron Oil and Gas Co Slapco South Louisiana Production Co	2006- 1994-98 1991-93 1983-90 1980-82 1979	SLP / 9173 Mermenteau
Petroleum Fuel & Terminal Co Clark Oil and Refining Corp Mt. Airy Refining	1992-03 1983-91 1980-82	MTR / 9160 Mt. Airy
St. James Co LLC Texas NAPCO Inc La Jet Pet Co.	1998-03 1983-98 1980-82	TXS / 9157 St. James

Source: DENR Database - Refiner Information and TAD Refinery Survey

Table 11 (Continued)
Louisiana Non-Operating Refinery Name History (1980-2025)

Refinery Name	Dates	FAC/Conservation Code & Location	Refinery Name	Dates	FAC/Conservation Code & Location
McTan Refining Corp	1983-96	BRN / 9162	Sabine Resources Group	1990-92	PRT / 9166
LaJet Pet Co	1981-83	St. James	Port Petroleum Inc	1985-89	Stonewall
Bruin Refining Co	1980-81		Morgan Prod Inc.	1980-85	
			Schulze Processing Inc	1981-82	SCH / 9169
					Talla Bena
			Gulf Oil Co USA	1981-81	GLF / 9149
			Gulf Oil Corp	1980-80	Venice

Source: DENR Database - Refiner Information and TAD Refinery Survey

Pelican Refinery - Lake Charles

The Lake Charles refinery is located on 4343 Old Town Road. The 87-acre Lake Charles refinery is best accessed by barge via the Calcasieu River. Formally known as American International Refinery, Inc. which sold the Lake Charles refinery and all associated real and personal property to Pelican Refining Company L.L.C. for \$9 million in cash, on December 9, 2004. In 2006 the Pelican Refinery Company LLC commences production and equipped with an atmospheric distillation unit, a vacuum distillation unit, a Pre-Flash Drum and an asphalt terminal. It was run mainly as an asphalt plant and sold some of its byproducts to other refiners for further processing. By 2011, the Lake Charles refinery's production was down to zero.

Table 12
Louisiana Non-Operating Refinery Mailing Address and Contact Information

Company Name	Mailing Address	Contacts	Telephone
Lazarus Energy Holdings LLC	801 Travis St., Ste. 1200 Houston, TX 77002	Mr. Jonathan Carroll	(713) 850 0500
Pelican Refinery Co. 9102	3355 West Alabama, Suite 1020 Houston, TX 77098	Mr. Don Nelson	(713) 877 7474
Quantum Fuel & Refining	PO Box 136 Newton, TX 75966	Mr. Mike McQueen	(713) 977 6108

Source: DENR Database - Refiner's Monthly Report, R-3 Report and TAD Refinery Survey

Table 13
Louisiana Non-Operating Refinery Location and Status Information

Name	Physical Location	Last Known Operating Capacity	Date Last Operated	Status
Pelican Refining Co. 9102	4646 La 3059 (Old Town Rd) Lake Charles, LA 70615	35,000	2003	Planning to upgrade
Bayou State Oil Corp 9114	US 71 N. @ La. 2 West Hosston, LA 71043	3,000	Feb. 1987	Dismantled.
Lazarus Energy Co 9120	1901 E. Ebey St. Church Point, LA 70525	30,000	2003	Planning to start up.
Lazarus Energy Co 9173	11499 Plant Rd Jennings, LA 70546	23,000	Feb. 1998	Planning to start up.
Lisbon Refinery J.V. LLC 9125	La. 2 Lisbon, LA 71040	12,500	Jan. 1996	Dismantled.
Ergon St. James Co LLC	La. 18 St. James	20,000	Aug. 1983	Dismantled.
Tina Resources Inc	La. 14 Lake Arthur	7,400	Feb. 1986	Dismantled.
Quantum Fuel & Refining	101 Old Ferry Rd. Egan	10,000	Sep. 1987	Planning to start up.

Source: DENR Database - Refiner's Monthly Report, R-3 Report and TAD Refinery Survey

Table 14 U.S. Energy Information Administration
Capacity of Louisiana Operable Petroleum Refineries as of January 1, 2025
 (Barrels per Stream Day, Except Where Noted)

Refinery Name	DEN R FAC Code	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
		Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			
		Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Vis-Breaking	Other Gas/Oil
Alon Refining Krotz Springs Inc Krots Springs	HLL	80,000	0	83,000	0	36,200	0	0	0	0
Calcasieu Refining Co Lake Charles	CLC	135,0500	0	137,000	0	36,000	0	0	0	0
Calumet Lubricants Co LP Cotton Valley	CTT	13,020	0	14,000	0	0	0	0	0	0
Calumet Lubricants Co LP Princeton	CLM	8,300	0	8,655	0	7,000	0	0	0	0
Calumet Shreveport LLC Shreveport	ATL	57,000	0	60,000	0	28,000	0	0	0	0
Chalmette Refining LLC Chalmette	TNN	190,000	0	197,000	0	169,000	42,000	0	0	0
Citgo Petroleum Corp Lake Charles	CTS	459,800	0	484,000	0	230,000	110,000	0	0	0
ExxonMobil Refining & Supply Co Baton Rouge	EXX	522,500	0	544,600	0	254,000	123,500	0	0	0
Marathon Petroleum Co LLC Garyville	MRT	606,000	0	638,000	0	299,000	110,500	0	0	0
Shell Oil Products US Norco	SHL	231,827	0	250,000	0	91,300	28,500	0	0	0
Phillips 66 West Lake	CNB	263,700	0	285,716	0	128,900	66,543	0	0	19,373
Placid Refining Co Port Allen	PLC	75,000	0	82,500	0	27,000	0	0	0	0
Valero Refining Co Meraux	MRP	125,000	0	135,000	0	56,600	0	0	0	0
Valero Refining Co Norco	GDH	215,000	0	235,000	0	180,000	86,000	0	0	0
Totals		2,982,647	0	3,154,4700	0	1,543,000	567,043	0	0	19,373

Source: Energy Information Administration, "Refinery Capacity Report 2025", Table 3

**Table 14 (Continued 1) U.S. Energy Information Administration
Capacity of Louisiana Operable Petroleum Refineries as of January 1, 2025**

(Barrels per Stream Day, Except Where Noted)

Refinery Name	DENR FAC Code	Downstream Charge Capacity (Continued)							
		Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphaltin g
		Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
Alon Refining Krotz Springs Inc Krots Springs	HLL	34,000	0	0	0	0	0	0	0
Calcasieu Refining Co Lake Charles	CLC	0	0	0	0	0	0	0	0
Calumet Lubricants Co LP Cotton Valley	CTT	0	0	0	0	0	0	0	0
Calumet Lubricants Co LP Princeton	CLM	0	0	0	0	0	0	0	0
Calumet Shreveport LLC Shreveport	ATL	0	0	0	0	0	12,000	0	0
Chalmette Refining LLC Chalmette	TNN	75,600	0	0	0	0	22,700	30,000	0
Citgo Petroleum Corp Lake Charles	CTS	148,000	3,000	0	51,200	0	65,000	53,200	0
ExxonMobil Refining & Supply Co Baton Rouge	EXX	243,000	0	27,000	0	0	80,000	0	0
Marathon Petroleum Co LLC Garyville	MRT	150,000	0	0	130,000	0	138,500	0	38,000
Shell Oil Products US Norco	SHL	118,800	0	0	44,000	0	40,000	0	0
Phillips 66 West Lake	CNB	50,941	0	0	0	0	49,086	0	0
Placid Refining Co Port Allen	PLC	25,000	500	0	0	0	11,500	0	122,000
Valero Refining Co Meraux	MRP	0	0	0	48,700	0	32,000	0	22,000
Valero Refining Co Norco	GDH	100,000	0	28,000	85,000	0	25,000	0	0
Totals		945,341	3,500	55,000	401,900	0	475,786	96,200	72,000

Source: Energy Information Administration, "Refinery Capacity Report 2025", Table 3

**Table 14 (Continued 2) U.S. Energy Information Administration
Capacity of Louisiana Operable Petroleum Refineries as of January 1, 2025
(Barrels per Stream Day, Except Where Noted)**

Refinery Name	DENR FAC Code	Downstream Charge Capacity (Continued)							
		Desulfurization (incl. Catalytic Hydrotreating)							
		Naptha/Reformer Feed	Gasoline	Kerosene/Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
Alon Refining Krotz Springs Inc Krots Springs	HLL	14,000	18,000	0	0	0	0	0	0
Calcasieu Refining Co Lake Charles	CLC	0	0	0	0	0	0	0	0
Calumet Lubricants Co LP Cotton Valley	CTT	6,500	0	0	0	0	0	0	0
Calumet Lubricants Co LP Princeton	CLM	0	0	0	0	9,500	0	0	0
Calumet Shreveport LLC Shreveport	ATL	16,000	0	0	14,000	0	0	21,100	1,200
Chalmette Refining LLC Chalmette	TNN	42,000	46,000	0	35,000	0	0	65,600	0
Citgo Petroleum Corp Lake Charles	CTS	131,200	85,400	70,100	100,000	0	0	0	23,800
ExxonMobil Refining & Supply Co Baton Rouge	EXX	80,000	266,300	0	216,900	0	0	0	0
Marathon Petroleum Co LLC Garyville	MRT	125,000	128,000	85,000	181,500	0	0	106,000	0
Shell Oil Products US Norco	SHL	42,000	77,000	0	70,000	0	0	0	0
Phillips 66 West Lake	CNB	52,285	63,820	38,353	55,300	0	0	50,040	19,178
Placid Refining Co Port Allen	PLC	12,000	20,000	0	25,000	0	0	0	0
Valero Refining Co Meraux	MRP	40,000	0	15,000	40,000	0	0	0	0
Valero Refining Co Norco	GDH	45,000	60,000	0	66,000	0	0	24,000	0
Totals		605,985	764,520	208,453	803,700	9,500	0	266,740	44,178

Source: Energy Information Administration, "Refinery Capacity Report 2025", Table 3

Table 15 U.S. Energy Information Administration
Production Capacity of Louisiana Operable Petroleum Refineries as of January 1, 2025
 (Barrels per Stream Day, Except Where Noted)

Refinery Name	DENR FAC CODE	Production Capacity								
		Alkylate	Aromatics	Asphalt and Road Oil	Isomers		Lubricants	Marketable Petroleum Coke	Hydrogen (MMcfd)	Sulfur (short tons per day)
					Isobutane	Isopentane and Isohexane				
Alon Refining Krotz Springs Inc Krots Springs	HLL	6,000	0	0	0	6,220	0	0	0	0
Calcasieu Refining Co Lake Charles	CLC	0	0	0	0	0	0	0	0	0
Calumet Lubricants Co LP Cotton Valley	CTT	0	0	0	0	500	0	0	2	0
Calumet Lubricants Co LP Princeton	CLM	0	0	2,000	0	0	7,000	0	4	3
Calumet Shreveport LLC Shreveport	ATL	0	0	6,500	0	0	12,500	0	12	40
Chalmette Refining LLC Chalmette	TNN	16,800	10,500	0	0	0	0	13,000	0	920
Citgo Petroleum Corp Lake Charles	CTS	28,100	20,900	0	0	28,000	0	32,820	0	717
ExxonMobil Refining & Supply Co Baton Rouge	EXX	43,100	0	40,000	0	0	16,500	31,525	0	944
Marathon Petroleum Co LLC Garyville	MRT	52,500	0	33,000	23,000	35,000	0	33,275	0	1,402
Shell Oil Products US Norco	SHL	18,100	0	0	0	0	0	7,316	0	209
Phillips 66 West Lake	CNB	9,920	0	5,269	0	25,000	0	22,919	0	337
Placid Refining Co Port Allen	PLC	7,500	0	0	0	0	0	0	0	55
Valero Refining Co Meraux	MRP	0	0	0	0	0	0	0	0	224
Valero Refining Co Norco	GDH	48,000	3,000	0	0	0	0	24,000	100	840
Totals		230,120	34,400	86,769	23,000	94,720	66,000	164,855	118	5,876

Source: Energy Information Administration, "Refinery Capacity Report 2025", Table 4

Glossary

Asphalt - A dark-brown to black cement-like material containing bitumen as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S gallons per short ton.

ASTM – It is the acronym for the American Society for Testing and Materials.

Barrels per calendar day – It is the amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see Barrels per Stream Day) to account for the following limitations that may delay, interrupt, or slow down production:

The capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams, through other than downstream facilities, is part of a refinery's normal operation;

The types and grades of inputs to be processed;

The types and grades of products expected to be manufactured;

The environmental constraints associated with refinery operations;

The reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

The reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns

Barrels per stream day – It is maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude oil and product slate conditions with no allowance for downtime.

Butane - A normally gaseous straight chain or branch chain hydrocarbon, (C₄H₁₀), it is extracted from natural gas or refined gas streams. It includes isobutene and normal butane and is covered by ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane

Isobutene - A normally gaseous branch chain hydrocarbon, (C₄H₁₀), it is a colorless paraffinic gas that boils at a temperature 10.9 degrees F. It is extracted from natural gas or refinery gas streams.

Normal Butane - A normally gaseous straight chain hydrocarbon, (C₄H₁₀), it is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Catalytic Cracking – It is the refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil

Catalytic Hydrocracking – It is refining process for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. Hydrocracking is an efficient, relatively low temperature process using hydrogen and a catalyst.

Catalytic Hydrotreating – It is process for treating petroleum fractions (e.g. distillate fuel oil and residual oil) and unfinished oils (e.g. naphtha, reformer feeds and heavy gas oils) in the presence of catalysts and substantial quantities of hydrogen to upgrade their quality.

Charge capacity - The input (feed) capacity of the refinery processing facilities.

Ethane - A normally gaseous straight-chain hydrocarbon, (C₂H₆). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ethylene – It is a small hydrocarbon gas, (C₂H₄), recovered from refinery processes or petrochemical processes

Idle capacity - The component of *operable* capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation, but under active repair that can be completed within 90 days.

Lubricating Oils - A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

Operable capacity - The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation, but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day. *Note: This survey uses the capacity at the **end** of the period.*

Operating capacity - The component of operable capacity that is in operation at the beginning of the period. *Note: This survey uses the capacity at the **end** of the period.*

Operating utilization rate - Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

Operating rate % - Throughput divided by 365 divided by operating capacity expressed as a percentage.

Operable rate % - Throughput divided by 365 divided by operable capacity expressed as a percentage.

Petroleum Products - Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, naphtha less than 400 F. end-point, other oils over 400 F. end-point, special naphtha, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products

Petroleum Refinery - An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Thermal Cracking - It is a refining process in which heat and pressure are used to break down, rearrange or combine hydrocarbon molecules. Thermal cracking is used to increase the yield of gasoline obtainable from crude oil.

Throughput - Is the actual barrels of crude oil processed by the atmospheric stills for the survey time period.

Vacuum Distillation - Distillation under reduced pressure (less than atmospheric) which lowers the boiling temperature of the liquid-being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock

Wax - A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series predominates. Includes all marketable wax whether crude scale or fully refined. The three wax grades included are:

Microcrystalline Wax - Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax.

Crystalline-Fully Refined Wax - A light-colored paraffin wax.

Crystalline-Other Wax - A paraffin wax.