



Port Arthur Refinery

History

Originally constructed as an oil terminal in the early 1900s, the Port Arthur Refinery began operation in 1937. The Refinery has been expanded and its technology updated several times over the years to its current configuration and capacity. Petrofina acquired the Port Arthur Refinery in 1973 and Petrofina merged with Total in 1999.

Capacity

174,000 barrels per day of crude oil

Differentiation

The Refinery processes a mixture of medium sour to sweet crudes. Conversion capability centers on FCCU and Reforming technologies. The majority of its processing units were built since 1984. A major capital project is underway to improve the Refinery's ability to process and upgrade heavy crudes.

Integration

Total Petrochemicals USA, Inc./BASF's Naphtha Steam Cracker adjacent to the Refinery exchanges feedstocks and utilities.

Products

Transportation fuels and components, asphalt, BTX and LPGs. Pipeline integration with U.S. transportation fuel markets east of the Rockies is excellent.

Safety and Environmental Milestones

- Quality Management System ISO 9001: 2000: certified in 2005.
- Industrial Safety Rating System Level 9.
- Excellent Safety Record.
- Integrated Safety and Loss Control Management System program.

Community involvement activities

- Through direct contributions and employee involvement, contributes \$400,000 per year to local charitable and public service organizations.
- Member of two Community Advisory Panels.
- Member of Industry of the Golden Triangle.

Port Arthur Refinery

Address	Highway 366 & 32 nd St. Port Arthur, TX 77642
Main Phone	409.963.6800
Employees	570
Built	1936
Acquired	1973
Expanded	2004 – new crude oil dock, Gasoline Hydrotreater





BASF FINA Petrochemicals LP

Address Highway 366 & Hwy 73
Port Arthur, TX 77642
Main Phone 409.960.5300
Employees 200
Built 2001
Ownership BASF 60%, operator
Total Petrochemicals 40%

BASF FINA Petrochemicals Limited Partnership

History

One of the largest naphtha steam crackers in the world, the plant is a joint venture between BASF Corporation (60%, operator) and Total Petrochemicals USA, Inc. (40%) and is built adjacent to Total Petrochemicals USA, Inc.'s Port Arthur Refinery.

Capacity

- 1.8 billion pounds (816 ktons) per year of ethylene
- 1.9 billion pounds (862 ktons) per year of propylene

Differentiation

Economies of scale make the plant an attractive and efficient investment. The partnership takes advantage of BASF's steam cracking experience and Total Petrochemicals' expertise in refining and hydrocarbon management.

Integration

- Integration into the Port Arthur Refinery provides an opportunity to optimize refinery and cracker feedstocks, as well as byproduct streams. It is an attractive outlet for materials produced at the refinery.
- Captive supply ensures economically attractive, long-term product supplies for Total Petrochemicals' Bayport High Density Polyethylene Plant and the La Porte Polypropylene Plant.

Product Uses

- Ethylene is used to make polyethylene. Total Petrochemicals polyethylene is used in lumber for piers, base cups for soft drink bottles, traffic-barrier cones, kitchen drain boards, trash bags, detergent bottle, toys, pipe, housing insulation, office equipment, serving trays, trash cans, signs, carriers, recycling bins, fiberfill for sleeping bags.
- Propylene is used to make polypropylene. Total Petrochemicals polypropylene is used in food packaging, tapes, carpet yarns, absorbent products, caps and closures, geotextiles, small appliances, housewares, disposables, outdoor furniture and toys.



Sabina Petrochemicals LLC

Address Highway 366 & Hwy. 73
Port Arthur, TX 77642
Main Phone 409.960.5300
Built 2003
Ownership Shell Chemical 62%
BASF 23%, operator
Total Petrochemicals 15%

Sabina Petrochemicals LLC

History

The world's largest integrated C₄ olefins complex, the plant is a joint venture of Total Petrochemicals USA, Inc. (16%), BASF Corporation (24%, operator), and Shell Chemical Company (60%). The facility consists of two units: a butadiene extraction unit and an indirect alkylation unit.

Capacity

- 900 million pounds (408 ktons) per year of butadiene from the butadiene extraction unit.
- 662 million pounds (300 ktons) per year of Sabinat (trademark pending), which is a high octane blending component from the indirect alkylation unit.

Differentiation

- World's largest butadiene extraction facility.
- Unprecedented size provides strong economies of scale.
- Proximity to Total Petrochemicals USA, Inc.'s Port Arthur Refinery, the BASF FINA Petrochemicals Limited Partnership naphtha steam cracker, and the U.S. butadiene market provide synergies for operations and logistics.

Integration

One-third of the feedstock comes from the BASF FINA Petrochemicals Limited Partnership naphtha steam cracker.

Product Uses

- Butadiene is used in the production of rubber and plastics.
- Sabinat is a high octane gasoline blending component (Trademark pending).