



## Port Arthur Refinery

Address	Highway 366 & 32 <sup>nd</sup> St. Port Arthur, TX 77642
Main Phone	409.963.6800
Employees	600

## Total Port Arthur Refinery

### History

Though the location of the Port Arthur Refinery is nearly a century old, the facility, processing equipment and technology is significantly newer. With beginnings as an oil terminal in the early 1900s, refining operations have been at this site since 1936. Today's facilities have since been replaced and its equipment updated throughout.

### Capacity

174,000 barrels per day of crude oil

### Differentiation

The refinery processes a mixture of crudes with conversion capabilities centering on Coking, FCCU and Reforming technologies.

### Integration

The refinery is capable of exchanging feedstock and utilities with the adjacent Naphtha Steam Cracker – a joint venture between Total Petrochemicals USA, Inc. and BASF.

### Product

Transportation fuels, petcoke, aromatics and liquefied petroleum gas.  
The refinery ships most of its product east of the Rockies through excellent pipeline integration with the U.S. transportation fuel markets.

### Safety, Environmental and Quality Milestones

- Certified in ISO 14001: 2009 – for operating in an environmentally sustainable manner which includes implementing a systematic approach to improving environmental performance.
- Certified in ISO 9001 – for operating within international quality management system standards that takes a systematic approach to managing the organization's processes so they consistently turn out product that satisfies customer's expectations.
- International Safety Rating System, Level 9 (achieved in 2004).

### Community Involvement Activities

- The Total Port Arthur Refinery contributes directly and through employee involvement in charitable organizations with a mission to emphasize causes in education, healthcare, the environment, quality of life, the arts and minority outreach.
- The refinery is a member of numerous organizations, including two Community Advisory Panels.





## 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.

**TOTAL PETROCHEMICALS**

TOTAL PETROCHEMICALS USA, INC.





## 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 C<sub>4</sub> 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).