

Detroit, Michigan

Crude oil capacity: 132,000 bpcd

MPC's Detroit refinery was acquired with the purchase of Aurora Gasoline Company by MPC (then The Ohio Oil Company) in 1959. It is the only petroleum refinery operating in Michigan.

In 2012, the company completed the Detroit Heavy Oil Upgrade Project (DHOUP) that enabled the refinery to process up to an additional 80,000 bpd of heavy sour crude oils, including Canadian crude oils. The project was completed with a world-class safety record and added more than 400,000 gallons per day of clean transportation fuels to the marketplace.

Crude Oil Supply: Sweet and heavy sour crude oils

Operations: Crude distillation, catalytic cracking, hydrotreating, reforming, alkylation, sulfur recovery and coking

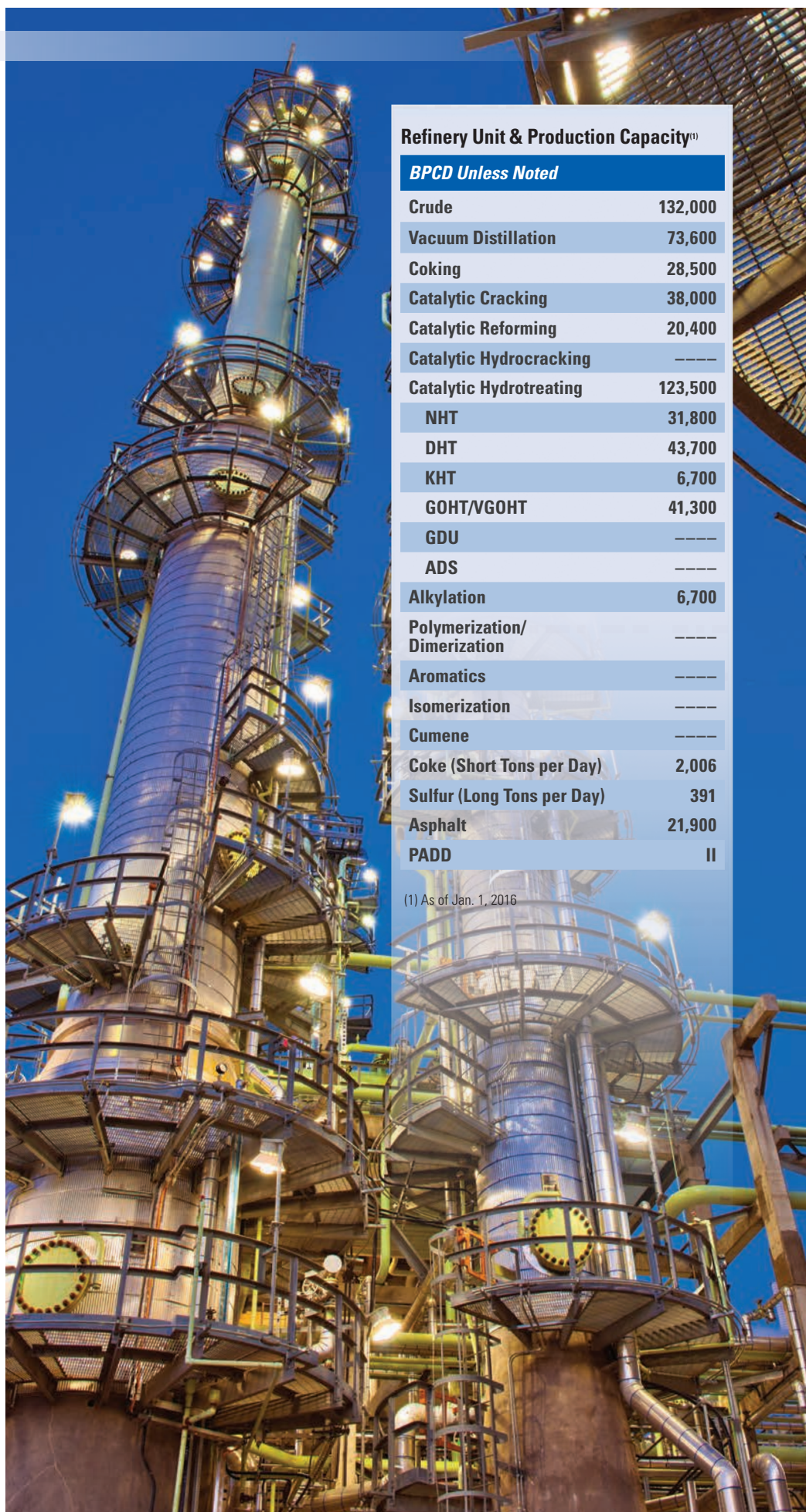
Products: Gasoline, distillates, asphalt, fuel-grade coke, chemical-grade propylene, propane, slurry and sulfur

Product Distribution: Pipeline, transport truck, rail and barge

Employees: Approximately 530

Awards & Recognition:

- ◆ 2010-present: Michigan Occupational Safety and Health Administration (MIOSHA) Voluntary Protection Program Star Site
- ◆ First refining facility in the world to receive Responsible Care 14001 certification for its health, environment, safety and security systems
- ◆ 2010 American Chemistry Council Energy Efficiency Award
- ◆ 2010 and 2012 American Fuel and Petrochemical Manufacturers Distinguished Safety Award
- ◆ 2010 Norfolk Southern's Thoroughbred Chemical Safety Award
- ◆ 2007-2012: U.S. Environmental Protection Agency ENERGY STAR facility
- ◆ 2012 MIOSHA Platinum Award winner for safety
- ◆ 2011-present: Behavior-Based Safety Program certified by the Cambridge Center for Behavioral Studies



Refinery Unit & Production Capacity⁽¹⁾

<i>BPCD Unless Noted</i>	
Crude	132,000
Vacuum Distillation	73,600
Coking	28,500
Catalytic Cracking	38,000
Catalytic Reforming	20,400
Catalytic Hydrocracking	----
Catalytic Hydrotreating	123,500
NHT	31,800
DHT	43,700
KHT	6,700
GOHT/VGOHT	41,300
GDU	----
ADS	----
Alkylation	6,700
Polymerization/ Dimerization	----
Aromatics	----
Isomerization	----
Cumene	----
Coke (Short Tons per Day)	2,006
Sulfur (Long Tons per Day)	391
Asphalt	21,900
PADD	II

(1) As of Jan. 1, 2016