

715 OAK PARK AVE
CORPUS CHRISTI, TEXAS 78408

11202 US HWY. 59 NORTH, STE B
VICTORIA, TEXAS 77905

11837 Fairmont Parkway
LA PORTE, TX 77571



BHP ENGINEERING & CONSTRUCTION, LP

RELEVANT PROJECT EXPERIENCE

BHP and its staff has extensive experience in bulk petroleum storage tank facilities. We have provided project management, engineering, project supervision and inspection of the construction for a large number of petroleum storage and transfer facilities.

These facilities have included:

- API tank facilities: Engineering, Construction, Maintenance including tanks, fire systems, instrument, foundation, secondary containment, survey, environmental, permitting,
- Pipelines and pump stations.
- Truck loading facilities and Rail car loading facilities.
- Dock projects

The following is a brief description for some of these tank and transfer projects:

Area 91 Fuel Storage Tank Farm

Champlin (CITGO) Refining Company, Corpus Christi, TX, USA - \$20 MM

The project construction included three 300,000 BBLs API floating roof storage tanks for Gasoline, Diesel and Crude Oil. Fire water pond, fire pumps, foam piping, tank foundations, topography survey, secondary containment, area drainage, pig launchers and receivers, electrical and instrumentation were included in the project scope.



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Atmospheric Reduced Crude (ARC) Tanks TK-163 & TK-164

Valero Refining Company, Corpus Christi, TX, USA - \$10 MM

Designed and field engineered for two 300,000 BBL ARC Tanks, including fire protection, steam heating, ring wall foundation, piping and secondary containment, and established drainage pattern for the new area.



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NEW VTB Tank Facility

KOCH Refining, Corpus Christi, TX, USA - \$35 MM

BHP designed the new heated tank and associated equipment and facilities for storage and loading of Vacuum Tower Reduced Crude Oil to both rail cars and ocean going barges including:

- Dock and Loading Arm Upgrade
- API 650 Tank, Foundation, Area Drainage and Secondary Containment
- Rail Car Loading Rack
- Pumps, Pipe Racks, and Pipeline with Surface Effect Heating
- Cathodic Protection
- Custody Transfer Meters
- MCC / Transformers

Tanks 26C & 31 Upgrade Project

California, USA - \$2.5 MM

API Tanks repairs, pumps, piping, instrumentation, process and mechanical design.

Product Storage Tanks Expansion & Revamp

North Dakota , USA - \$.5 MM

Process Engineering and API Tank Emissions calculations.

Koch Refining Company - \$500 M

Prepared engineering designs for primary slop oil recovery system which included plans and specifications for a new slop oil recovery unit, renovation of one existing recovery unit, 6-500 barrel API 650 storage tanks with an internal swing suction line, piping, pumping equipment and miscellaneous ancillary equipment. Designed modifications and rehabilitation of 15,000 barrel API 650 slop oil and chemical tank.

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Koch Refining Company

Corpus Christi, Texas, USA - \$500 MM

Designed reinforced concrete foundation for 50-foot diameter LPG Spherical Tank.

American Chrome and Chemical Company

Corpus Christi, Texas, USA - \$150 MM

Construction Superintendent for moving one 100-foot diameter and one 80-foot diameter erected steel storage tank (both similar to API 650) from a local plant site to another local plant site. Tanks were moved using rubber tired wheeled transporters and large trucks.

Koch Refining Company

Corpus Christi, Texas, USA - \$2 MM

Engineering Project Manager for initial development of new 200 acre crude oil and product tank farm included the following:

- Site Boundary Survey
- Site Topographic Survey
- Geotechnical Investigation and Report including recommendations for tank foundations (performed by third party contractor).
- Design of Foundations for API 650 storage tanks ranging in size from 100-foot diameter to 250-foot diameter using reinforced concrete ring foundations.
- Designed API 650 Storage tanks in concert with the tank vendor.
- Designed reinforce concrete mat foundations as well as improved fill type foundations for API 650 tanks of various sizes. The type of foundation was determined by the results of the geotechnical investigations.

Sigmore Refining Company

Corpus Christi, Texas, USA - \$3 MM

Designed and installed fire suppression foam piping system for six crude oil and product storage tanks for of Tanks ranged in diameter from 100 feet to 200 feet.