

Industrial

Date Completed:

2000

Construction Cost:

N/A (Study)

Client or Owner's Rep:

Chevron Phillips USA

Highlights:

- ✓ **Review of Existing Documentation**
- ✓ **Field Verification**
- ✓ **Computer Modeling**
- ✓ **Model Validation**

Photo: CPChem Cedar Bayou Plant Aerial

Storm Water Management Model Chevron Phillips | Baytown, Texas

Project Description | Hydraulic Evaluation of existing storm water system.

Services Provided | KGI was responsible for preparing a comprehensive Storm Water Management Plan (SWMM) using a commercially available software for the entire Chevron Cedar Bayou plant. The project included developing a hydraulic model of the existing potentially Contaminated Storm Water (CSW) system. The model was used as a tool to determine the hydraulic capacity of the existing CSW system, identify bottlenecks and propose improvements. In addition, the model was used to study the effect of future expansions on the CSW system and the wastewater treatment facilities. The project duration was approximately 12 months.

