

WASTEWATER TREATMENT SUCCESS STORY

USING A DISSOLVED AIR FLOTATION (DAF) SYSTEM



Project Location

Houston, Texas

System Designed and Implemented

Dissolved Air
Flotation System

Resolution

80% to 90% Oil and Grease
reduction in Wastewater

CHALLENGE

- Permit Exceedance of oil/grease in the wastewater.
- Permit Exceedance of Sulfide in the wastewater.
- Multiple notices of Violations from the local regulatory agency.
- Not a consistent wastewater parameters and flow.
- Not enough procedure and trainings to employees on wastewater processes.

SOLUTION

RSB provided a turnkey solution to our client including feasibility study, pre-designing of a wastewater treatment plant, selection of treatment chemicals, pilot on-site testing, final installation of the plant, test run, employee training, and reporting to Regulatory Agency within two months of time-frame.

In line with the client's needs and requirements from the regulatory agency, RSB proposed the installation and implementation of a Dissolved Air Flotation (DAF) system. The system consisted of a DAF unit, treatment chemical tanks, equalization tanks, sludge storage tanks, effluent wastewater tanks.

With an implementation of a DAF system, RSB was able to resolve and close the client's all wastewater operational issues and regulatory violations.