

Municipal Wastewater

Date Completed:

2014

Construction Cost:

\$6.026 Million

Client or Owner's Rep:

Mr. Li Chen, PE
Project Manager, BBI

Highlights:

- ✓ **Biowin Modeling**
- ✓ **Process, Nitrification**
- ✓ **Clarifiers**
- ✓ **Thickener**
- ✓ **Rotary Screen**
- ✓ **Chemical Facilities**
- ✓ **Electrical, Instrumentation and Controls**
- ✓ **Rehabilitation**

Photos: Clarifier Scum Collection Mechanism and Overflow Weirs

Almeda Sims WWTP & SPF Improvements Package 2

City of Houston | Houston, Texas

Project Description | Improvements to Wastewater Treatment Plant & Sludge Processing Facilities.

Services Provided | As a sub-consultant to Binkley Barfield, Inc., KGI was responsible for the process, mechanical, electrical, instrumentation and control systems related to the following equipment:

- New rotary screen
- Rehabilitation of four (4) existing Clarifiers and one (1) Thickener
- Chemical Facilities
- Modifications to Existing MCCs
- Modifications to Existing Programming Logic Controllers (PLC)

In addition, KGI was responsible for performing a nitrification study of the existing plant, and propose conceptual improvements to reduce ammonia-nitrogen in the treated effluent to less than or equal to 2.0 mg/L.

