

**Client:** Coca Cola Corporation, Wilsonville, Oregon  
Wastewater Pretreatment and Equalization System



## BACKGROUND:

As one of the largest beverage producers in the food service industry, Coca Cola Corporation has bottling plants worldwide. A large number of beverages are bottled in the Wilsonville plant; both sugar and non sugar beverages. The facility also houses a reclaim/recycle facility for beverages which dates have expired. This crushing operation and the large number of product changes created a highly variable flow rate, sugar content, and pH. These large variations caused excursions outside of pretreatment permit limits and created operational issues at the local municipal treatment plant.

## PROJECT REQUIREMENTS:

- Design/build of a pretreatment and equalization system to minimize excursions
- Storage capacity to allow for equalization of the discharge to minimize the impacts to the local municipal treatment plant by creating a 7-day 24-hour constant flow
- Treatment for pH control and solids removal (fat, oils, greases and suspended solids)



## SYSTEM COMPONENTS

- Two 50,000-gallon stainless steel tanks with aeration for equalization
- Two stage pH adjustment for pH control
- Coagulation and flocculation to aid in solids removal
- Dissolved air flotation for solids removal
- Effluent monitoring with automatic recirculation for out of permit discharges including pH and flow

