

CITY OF HOUSTON: 69TH STREET WASTEWATER TREATMENT PLANT TOUR A

WEDNESDAY, JULY 16TH | 1:00PM - 3:00PM

REGISTRATION \$60

The City of Houston's 69th Street Wastewater Treatment Plant is one of the largest wastewater plants in Texas, treating an average flow of 200 million gallons per day (MGD) with a peak flow capacity of 400 MGD. Originally constructed in 1978, the facility has been upgraded and expanded many times through the years. The plant uses pure oxygen instead of air as the oxygen source for aerobic treatment. Oxygen is generated at two on-site cryogenic plants capable of producing up to 300 tons/day of gaseous oxygen.

Tertiary treatment is provided by 38 disk filters, and disinfection is achieved with sodium hypochlorite that is quenched with sodium bisulfite prior to discharge of the treated effluent to the Houston Ship Channel. Sludge is aerobically digested and then flash dried to produce between 25,000 to 35,000 dry tons of Class A fertilizer per year. City staff will give participants a tour of key facilities, providing an overview of operations and answering questions along the way. Participants will be required to bring and wear safety shoes. Hardhats, safety glasses, and vests also must be worn and can be supplied to participants who cannot bring their own.

KEITH WIESS PARK STORMWATER DETENTION AND WATER QUALITY BASIN

TOUR B

THURSDAY, JULY 17TH | 8:00AM - 11:00AM

REGISTRATION \$60

On this tour, participants will explore the Keith-Wiess Park Stormwater Detention and Water Quality Basin. The project removed about 1,770,000 cubic yards of soil to create a detention basin that holds approximately 963 acre-feet of additional stormwater storage within the City of Houston's Keith-Wiess Park on Aldine-Westfield Road. This project includes a hike and bike trail system and various site amenities such as recreational equipment, soccer fields, walking pier and boardwalk.