

GDT™ Ozone Contacting System Selected for 15% wt. Municipal Project

The patented GDT™ ozone contacting system is installed at the Orlando Utility commissions (OUC) 10 MGD Sky Lake water treatment facility for in-line pressurized oxidation and disinfection testing. Previous pilot testing determined that applied ozone dosage for Hydrogen Sulfide/Sulfide Ion (H_2S/S^{2-}) oxidation can be reduced by up to 40% due to the dynamic mixing and improved mass transfer with pressurize contacting over conventional fine bubble diffuser contacting

The GDT™ DS-0600 pressurized ozone contacting process will be teamed with a 121 lb./day, 15% weight ozone generator provided by Fuji Electric/Osmonics to maximize mass transfer. The GDT™ system is operated on well water in full and side stream configurations. The applied ozone dose to the one million gallon per day (1 MGD) side stream design flow, is up to 14.4 mg/l. Residual dissolved ozone levels in this 1 MGD stream will allow blending with raw well water to treat higher total flows.

