



## **GDT™ Ozone Contacting Process used in Secondary Wastewater Advanced Oxidation Treatment**

The patented Mazzei Injector-GDT® pressurized ozone contacting system is a critical part of the 1,000 gpm advanced oxidation (AOP) pilot studies conducted jointly by EnvirOzone Technologies Inc. (EOT) and the East Bay Municipal Utility District (EBMUD) in Oakland, California and EOT and the Sacramento County Regional Sanitary District (SCRSD) on secondary treated wastewater effluent discharged to the San Francisco Bay and the Sacramento River respectively.

The large-scale pilot studies will determine AOP effect on wastewater disinfection, organic oxidation and chlorinated disinfection by-product reduction. The EOT advanced oxidation process, can feed up to 260-lb./day ozone at gas phase concentrations from 6 to 12% weight to the secondary effluent. The GDT process will transfer ozone dosages, ranging from 5 to 25 mg/L, to produce dissolved ozone levels that will be varied with UV radiation dosage and reaction time to determine optimal performance combinations.



[www.mazzei.net](http://www.mazzei.net)

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