



CASE STUDY (EGS)

Sentry™ Emergency Gas Scrubber (EGS)

Central Avenue Pump Station in Yonkers, New York

THE PROBLEM:

In 2017, The City of Yonkers, New York completed an expansion and upgrades to its existing Water Treatment Plant. The facility was looking to add chlorine gas scrubbers to be on standby in the event of an emergency. The City worked with Suez Water Environment Services to evaluate options for products and solutions for an emergency situation. After reviewing PureAir's prior work of providing systems to Princeton Meadows Wastewater Treatment Plant, Ed Little Water Reclamation Facility, and Burbank Water Reclamation Plant, Suez and The City of Yonkers chose PureAir's Sentry™ Emergency Gas Scrubber (EGS) and Safetysorb adsorbent media.



THE SOLUTION:

The particular unit chosen was an EGS-750. The 142 x 60 x 72 inch vessel was made of fiberglass reinforced plastic and utilized a 7.5 hp blower. Based upon a capacity analysis of Safetysorb media, it was determined that 187 ft³ of it would be needed to remove the high volume of chlorine in the event of a leak. The unit was installed in March of 2018, and the City was confident knowing that PureAir's system would solve any emergency situation. Fortunately, the standby system has not been needed yet, but the City follows PureAir's recommended, simple maintenance schedule to ensure the unit is functioning at its best in case a leak ever occurs. In the event of a leak, the system is designed to detect chlorine gas, automatically turn on, and pull the toxic gas out of the environment. The scrubber has the capacity to do this for the full tank of chlorine gas, if needed.



+1 678.935.1431

Toll Free: 866.543.7479

www.PureAirFiltration.com

6050 Peachtree Pkwy, Suite 240-187, Atlanta, GA 30092 USA