



CASE STUDY

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 the existing Water Treatment Plant. The facility was looking to add chlorine gas scrubbers to be on stand-by in the event of an emergency. After reviewing PureAir's experience providing systems to Princeton Meadows Wastewater Treatment Plant, Ed Little Water Reclamation Facility, and Burbank Water Reclamation Plant, PureAir's Emergency Gas Scrubber and Safetysorb Adsorbent Media were chosen for the job. A few years later, the municipality found itself in the terrifying situation of a leak, and all were thankful that the Sentry EGS was onsite.



THE SOLUTION:

The particular unit chosen was an EGS-750. The 142 x 60 inch vessel was made of fiberglass reinforced plastic and utilized a 7.5 horsepower blower. Based upon a capacity analysis of Safetysorb media, it was determined that 187 cubic feet of the chemical adsorbent would be needed to remove the volume of chlorine if there was a possible leak. This analysis proved correct during the emergency event. Just as designed, the standby system jumped into gear as soon as the leak was detected. The chlorine was pulled from the building and through the EGS unit, and clean air was emitted. The scrubber was able to contain the situation until the leak could be fixed, and therefore, no damage was caused to personnel or the environment.



+1 678.935.1431

Toll Free: 866.543.7479

www.PureAirFiltration.com

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