



CASE STUDY (EGS)

Sentry™ Emergency Gas Scrubber

Logan Aluminum Inc., Russellville, KY

Logan Aluminum stores and utilizes 1-ton of chlorine as part of a filtration process in the Remelt Department. Logan Aluminum was using an emergency wet scrubber filled with sodium hydroxide as the scrubbing medium and needed an auxiliary chlorine neutralizing system to manage spills caused by tank changes that also prioritized employee safety.

Sodium hydroxide is hazardous and must be managed wearing protective personal equipment to minimize exposure and protect against burns to the skin and eyes.

PureAir's Emergency Gas Dry Scrubber (EGS) employs Safetysorb, a chemisorbant media that is non-hazardous in its unused and used form. The health benefits of Safetysorb combined with its limited maintenance benefits created the effective and hazard-free solution Logan Aluminum was looking to obtain.



PureAir provided Logan Aluminum with an EGS-8 to protect against a leak from the one-ton cylinder of chlorine. Additionally, PureAir provided multiple EGS-100s filled with 5 ft³ of Safetysorb to adsorb chlorine purged during preventative maintenance of the chlorine piping system that feeds the smelting process. The new emergency chlorine scrubber system eliminated the risk of injury inherent to overseeing sodium hydroxide, while simultaneously complying with all federal, state, and local regulations for a chlorine neutralizing system.

Since installing PureAir's EGS with Safetysorb, Logan Aluminum has an effective solution that stands guard against an emergency chlorine release and puts the health and safety of personnel first.

+1 678.935.1431

Toll Free: 866.543.7479

www.PureAirFiltration.com

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