



Project Profile...



RJ Environmental Products

City of Albany, NY
Loudonville Reservoir and Chlorination Facility
Chlorine Gas Scrubber

Facility Contacts:

Engineering: William Simcoe, P.E., City Engineer (518)427-7480
C.T. Male Associates, P.C.

Operations Contact: Ken Glenning

Project Summary:

Regulations pertaining to the storage, handling and use of hazardous gases has required facility managers to closely examine safety issues. Storage of gas chlorine requires special attention in regards to these regulations. The City addressed these concerns by providing an emergency gas scrubber at the Loudonville facility. The system is designed to neutralize any chlorine gas that is released into the storage room. The City is now prepared for the future and has incorporated this into its overall risk management programs.

Basis of Design Data

Scrubber Sizing	Neutralize 300 pounds of chlorine Capable of handling a 100% liquid flash
Minimum Removal Efficiency	99.99 percent
Allowable Discharge Concentration	5 ppm chlorine
Total Room Volume	1,500 ft ³

Chlorine Gas Scrubber Equipment Components

- ↓ # FRP Three Stage Scrubber Absorber
- ↓ # Integral Caustic Storage Tank
- ↓ # FRP Air Exhaust Fan
- ↓ # Caustic Recirculating Pump
- ↓ # Chlorine Leak Detection and System Controls

We encourage safe design, operation, and maintenance practices for all chemical feed systems, particularly gas chlorine.

For More Information Contact: Peter J. Radosta, P.E. (315) 697-3800