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(4) Gas Detectors and Protection. Gas detectors and alarms shall be located in each area containing chlorine or sulfur dioxide under pressure. Respiratory air-pac protection equipment, of the pressure-demand type meeting the requirements of the National Institute for Occupational Safety and Health (NIOSH), shall be available where pressurized gases are handled. Respiratory equipment shall be stored in such a way that, upon discovery of a problem within the feed or storage room, the respirator may be accessed in three minutes or less. The equipment shall not be located inside any rooms where gases are stored or used under pressure. Instructions for using the equipment shall be kept with, or posted next to, the equipment. The units shall use compressed air and shall have at least a 30-minute capacity.

(f) Equipment and Materials. All equipment and materials used in the disinfection and dechlorination systems shall be of the type that the manufacturer recommends for the pertinent chemical. Some specific requirements for the equipment and materials are listed in paragraphs (1)-(6) if this subsection.

(1) Storage Orientation. One ton cylinders shall be stored horizontally on trunnions, and 150 pound cylinders shall be stored vertically and be secured by a clamp or chain.

(2) Measurements. A scale for determining the amount of chemical used daily, as well as the amount of chemical remaining in the container, shall be provided for all chlorine and sulfur dioxide systems.