

**SECTION 01569**  
**SAFETY IN WASTEWATER WORKS**

**PART 1 GENERAL**

**1.01 SCOPE**

- A. The Contractor shall be responsible for conducting all Work in a safe manner and shall take reasonable precautions to ensure the safety and protection of workers, property and the general public.
- B. All construction shall be conducted in accordance with the latest applicable requirements for Part 1926 of the Occupational Safety and Health Act, Safety and Health Regulations for Construction, Section 107 of the Contract Work Hours and Safety Standards Act, as well as any other local, state or federal safety codes and regulations.
- C. The Contractor shall designate a trained and qualified employee who is to be responsible for ensuring that the Work is performed safely and in conformance with all applicable regulations.
- D. The Contractor shall determine the safety hazards involved in prosecuting the Work and the precautions necessary to conduct the Work safely.
- E. The Contractor shall bear all risks associated with performing the Work and shall fully indemnify and hold harmless the City.

**1.02 SPECIAL REQUIREMENTS**

- A. The Contractor's attention is directed to the fact that construction activities involving sanitary sewer systems will occasionally involve work in potentially hazardous environments in which oxygen deficient, toxic or explosive conditions may exist. Additional hazards arise from the presence of pathogens in the wastewater and from the slime and scum layer that coat walking, working and other surfaces. In dealing with these hazards, the Contractor shall take special precautions to ensure worker safety. Such precautions shall include, but are not limited to, the following, as applicable:
  - 1. Installing temporary forced air ventilation equipment and ducts for fresh air in enclosed areas.
  - 2. Using pneumatic tools and equipment instead of electric-driven equipment in hazardous areas.
  - 3. Avoiding the use of cutting torches, field welding and grinders in hazardous areas.
  - 4. Cleaning and disinfecting working surfaces with hot water, high pressure washers prior to commencing work.

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5. Installing sealed wooden baffles or bulkheads to isolate working areas from hazardous atmospheres.
  6. Providing portable oxygen meters, combustible gas detectors and hydrogen sulfide detectors to continuously monitor the atmosphere in enclosed working areas.
  7. Providing safety harnesses, safety lines and recovery crews for workers in hazardous areas.
  8. Providing self-contained breathing apparatus with spare air cylinders for workers in hazardous areas.
  9. Providing dry chemical fire extinguishers and connected fire hoses in areas where a danger of fire or explosion exists.
  10. Providing adequate, oxygen-equipped, first aid facilities.
  11. Providing suitable wash-up areas and facilities for workers.
  12. Installing temporary lighting using explosion-proof fixtures in hazardous environments.
  13. Installing approved warning and hazard signs and posting safety procedures.
  14. Instructing all workers as to the hazards present, the procedures to be followed and the proper function and use of all safety and emergency equipment furnished.
- B. Prior to commencing Work on existing facilities and equipment, the Contractor shall notify the City of Thomasville and shall ensure that the source of electrical energy to all affected equipment is shut off and locked out at the appropriate motor control center. Local switches and pushbutton stations, where provided, shall be locked in the "off" position.
- C. Prior to entering or commencing work in a hazardous area, the Contractor shall ensure that all safety and emergency equipment is in place and in satisfactory operating condition.

**END OF SECTION**