**Section 371.230 Chapter X − Safety**

a) Discuss management's safety responsibilities including legal ramifications upon failure to provide a safe work environment.

b) Discuss any unusual safety considerations including any hazards which are due to unique conditions at the project.

c) Discuss the hazards involved with sewer maintenance including the following:

1) The use of gas testing equipment

2) The use of non-sparking tools

3) Work site protection and the use of barricades

4) The use of a safety line and safety harness

5) The use of ventilation equipment

6) The use of oxygen masks or similar gear

7) The use of communication equipment for prompt contact with emergency medical services.

8) Other necessary precautions

d) Discuss electrical safety including:

1) Grounding of electric tools and ground fault interruption

2) Lock-out procedures on electrical equipment

3) Using rubber floor mats

4) Testing of circuits

5) Designating personnel to perform electrical repairs

6) Other electrical safety precautions

e) Discuss the mechanical equipment hazards and the use of equipment guards.

f) Discuss explosion and fire hazards including:

1) Storage of flammable materials

2) Type and location of fire extinguishers

3) Hazards of digester gases

4) Use of flammable vapor detectors

5) Other explosion or fire hazards

g) Discuss bacterial infections and health hazards.

1) Discuss immunization programs.

2) Outline personal hygiene considerations.

h) Discuss chlorine hazards and the handling of chlorine cylinders.

i) Discuss oxygen deficiency and the hazards of noxious gases.

j) List common gases encountered near wastewater treatment systems and discuss properties of each.

k) Discuss laboratory hazards and prevention techniques.

l) List the safety equipment to be kept at the facility.

m) Discuss the importance of conducting routine training sessions on the use of the safety equipment.

n) Discuss the handling of process chemicals used at this facility.

o) List safety references maintained in the O&M library.