

other material that prevents the normal removal of the manhole lid. If an existing manhole is covered with earth or other material, the earth or material shall be removed as soon as is reasonably possible.

(6) All construction of sewers and appurtenances shall be inspected by the utility, or its authorized agent, to assure that they are constructed in accordance with approved plans and specifications and shall not be accepted until the construction complies with the plans and specifications. As-built plans and specifications shall be retained by the utility as a permanent record. All construction by other than company employees shall be done by a qualified contractor and materials and workmanship shall be guaranteed by appropriate parties for one (1) year subsequent to the date of acceptance.

(7) Service sewers to customers shall be connected to the collecting sewers by use of an approved wye or saddle. The same construction requirements which are used for collecting sewers shall be used for the construction of service sewers, except for pipe size.

(8) Unless otherwise authorized in writing by the commission, the utility shall make inspections of collecting sewers and manholes on a scheduled basis at intervals not to exceed one (1) year, unless conditions warrant more frequent inspections. It shall make inspections of all mechanical equipment on a daily basis. The utility shall maintain a record of findings and corrective actions required and/or taken, by location and date, that result from such inspections.

**AUTHORITY:** sections 386.310(1) and 393.140(11), RSMo 1986.\* Original rule filed Feb. 23, 1973, effective March 2, 1973.

\*Original authority: 386.310(1), RSMo 1939, amended 1979, 1989, 1996; 393.140(11), RSMo 1939, amended 1949, 1967.

#### 4 CSR 240-60.030 Tariff Schedules (Rescinded April 30, 2003)

**AUTHORITY:** section 393.140(11), RSMo 1986. Original rule filed Feb. 23, 1973, effective March 2, 1973. Amended: Filed May 16, 1977, effective Dec. 11, 1977. Amended: Filed May 29, 1986, effective Oct. 27, 1986. Rescinded: Filed Aug. 16, 2002, effective April 30, 2003.

#### 4 CSR 240-60.040 Safety Program

**PURPOSE:** This rule prescribes safety measures and the procedures for reporting accidents.

(1) Each utility shall adopt and execute a safety program, a copy of which shall be filed with the director of utilities of the Public Service Commission.

(2) Each sewer utility shall—

(A) Require its employees to use suitable tools and equipment in order that they may perform their work in a safe manner;

(B) Require its employees to use safe practices in performing their work;

(C) Permit and require that each sewer and sewage treatment plant maintenance employee be trained with regard to good safety practices as related to the performance of his/her duties;

(D) Exercise reasonable care to reduce the hazards to which its employees, its customers and the general public may be subjected;

(E) Give reasonable assistance to the commission in the investigation of the cause of accidents and in the determination of suitable means of preventing accidents; and

(F) Maintain a summary of all reported accidents arising from its operations.

(3) Each sewer utility, as soon as reasonably possible, shall notify designated commission personnel by telephone of all accidents or incidents in connection with its system within its certificated areas, which result in the loss of life, personal injury requiring hospitalization or in property damage of at least one thousand dollars (\$1,000) except as to misuse or malfunction of customer facilities. Within thirty-six (36) hours of the accidents or incidents the sewer utility shall complete in writing and submit to the commission an authorized commission notification form pertaining to the accidents or incidents (Notification form PSC-S-1). Within sixty (60) days of the accidents or incidents, the sewer utility shall complete in writing and submit to the commission an authorized commission report form pertaining to the accidents or incidents (Report form PSC-S-2).

**AUTHORITY:** section 386.310, RSMo 1986.\* Original rule filed Feb. 23, 1973, effective March 2, 1973.

\*Original authority: 386.310, RSMo 1939, amended 1979, 1989, 1996.

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Missouri Public  
Service Commission

Staff                      Exhibit No. 1  
Case No(s) SR-2004-0370  
Date 3-17-04 Rptr JL

**Sewer systems are required to have a safety program on file with the MO Public Service Commission, listed below are some issues that should be addressed in your safety program.**

**Emergency operations:** In the event of an emergency how would your company deal with it? Do you have an emergency number or answering service? What kind of response time do you have? You should have the numbers of police, fire dept., hospital, sewer line cleaners, backhoe operators, local radio or TV stations on hand in case of an emergency.

**Lock out/tag out program:** In the event where you need to turn off the power to a control panel, pump or other electrical or moving part, you need to have a way to lock the power supply or controls in the "off" position. A tag should be fixed to the lock or switch with the persons name that turned it off and the reason for it being off. ONLY that person can remove the tag/lock and put the device back in operation. This will stop people from turning the power on while someone is working on the problem, reducing the risk of injury to employees or damage to parts.

**Confined space program:** This is a hazard that too many people overlook. Do you have a way to test the air before entering and while a person is in a confined space (manhole etc.)? The space should have fresh air pumped in before and during exposure. The person entering the space should have on a lifting harness, and there should be a winch or some kind of lifting device to get the person out if he or she is unable to. There should also be enough people present to operate the equipment.

**Shoring:** Do you use proper shoring techniques?

**Crossconnections/ backflow preventers:** Do you have any crossconnections in your systems? Do you use backflow preventers where needed? Do you test them periodically? Do you have a record of this and any maintenance needed?

**Fencing, signs, guardrails:** Are your facilities properly fenced? Are signs posted on all sides of the fence? Are guardrails put up where needed?

**Safety meetings, practice drills:** Do you have safety meetings or practice emergency procedures with your employees? Even a simple reminder to use goggles, gloves, ear protection and practice good hygiene is a step in the right direction.

**Laboratory safety:** Do you have an eye wash and shower station? Do you have chemical data sheets? What other safety precautions do you take in the lab?

**Fire safety:** Do you have extinguishers in the vehicles, shop, lab and office? Do you have an evacuation plan, is it practiced?

**Chlorine handling or other chemical spill procedures:** Chlorine is very dangerous even in a liquid form, are your operators trained to handle it and the other chemicals they encounter?

**Vaccination program:** Do you make sure your employees keep up on their shots? Do you have your employees vaccinated for hepatitis?

**Safety training:** Do you send your employees to any training courses?

**If you have any questions about establishing a safety program, feel free to contact Steve Loethen with the PSC at 573-522-2412.**