

requirements. After the tank is completely drained, the tank is to be refilled with potable water and tested for bacteriological quality.

2. All interior surfaces of the tank shall have applied to them a strong chlorine solution containing at least 200 mg/l of free available chlorine. The chlorine solution shall be applied with either spray equipment or brushes. Any equipment used to apply the chlorine solution shall either be new or previously used only for disinfection purposes. The strong chlorine solution shall remain in contact with the tank surfaces for at least 30 minutes. The tank shall then be filled with potable water to the overflow level and tested for bacteriological quality.
3. Potable water containing a free chlorine residual of 50 mg/l shall be placed in the tank to such a depth that when the tank is filled, the resulting chlorine concentration in the water will be at least 2 mg/l. The water containing 50 mg/l of chlorine shall stand in the tank for 24 hours. The tank shall then be filled with potable water and allowed to stand for 24 hours. At the end of the second 24 hours period, the chlorine residual shall be at least 2 mg/l. After bacteriological analysis of the water for bacteriological quality, the tank may be placed in service without draining the water used to disinfect it.

- E. The water samples for bacteriological analysis must be collected at least 24 hours apart and analyzed by the Authority's state certified laboratory. The results of these samples must indicate no coliform contamination before the water storage tank and/or equipment can be utilized as part of the waterworks. If contamination is indicated, sampling shall be repeated and, if necessary, disinfection shall be repeated, at no additional cost to the Authority. Water for the second and subsequent disinfections shall be paid for by the Contractor at the rate of \$1.63 per 100 cubic feet.

SECTION 14. APPURTENANCES

A. LADDER AND FALL PROTECTION

The existing ladder on the Eugene Drive tank does not comply with present regulations. Provide and install new ladder as detailed (see Appendix 1), made of A-36 steel, shop primed. All welding shall be done by certified welders.

The platform shall be located half way up the height. Use open grating at least 1 ½" deep, galvanized.

New ladder shall be painted along with the tank as specified.

The vertical fall protection system shall be replaced. Provide and install a tubular-style climbing rail (Trylon TSF®, Cougar Safety Rail and Trolley, or equivalent). In addition, two harnesses shall be provided that are compatible with the installed vertical fall protection system. The railing system **shall not** be painted.

The screen to the air vent shall also be replaced.

Project: Eugene Drive Tank Painting

Lead Abatement, Cleaning and
Painting Specification