**Section 604.1210 Pumps**

a) At least two pumping units must be provided for all pump stations.

b) With any pump out of service, the remaining pump or pumps must be capable of providing the maximum demand of the community water supply.

c) The pumping units must be provided with readily available spare parts and tools.

d) Suction Lifts

1) Suction lifts must be avoided if possible;

2) Suction lifts must be less than 15 feet; and

3) If suction lift is necessary, provisions must be made for priming the pumps, as follows:

A) prime water must not be of lesser sanitary quality than that of the water being pumped;

B) means must be provided to prevent either backsiphonage or backflow; and

C) vacuum priming may be used.

e) Pumps taking suction from ground storage tanks must be provided adequate net positive suction head, but the minimum distribution pressure of 20 psi is not required. The pumps must be equipped with automatic shutoffs or low-pressure controllers, as recommended by the pump manufacturer.