**Section 653.110 Combination Pressure Tanks and Ground Storage**

A combination of ground storage, hydropneumatic storage and pumps may be considered in water systems for maintaining pressure on the distribution system. Design of such a system shall include:

a) a minimum ground storage volume equivalent to 1.5 times the average daily usage;

b) a minimum of two pumps, each capable of meeting the peak system demand. If more than two pumps are proposed, the peak system demand shall be met when any pump is out of service;

c) an electric generator with automatic start capable of providing power to pump(s) which can produce the peak system demand, plus sufficient power to operate all chemical feeders, appurtenances and equipment essential to plant operation. Consideration should be given to sizing the generator to provide power for at least one well; and

d) an hydropneumatic tank sized to provide service for a minimum of ten minutes under peak system demand.