



Building: Water Tanks  
2360 Summer Street  
Newport, New Hampshire

Condition	
1	Fully operational, new, recently replaced
2	Fully operational, 0-25% of life expectancy used, no issues, no concerns,
3	Fully operational, 25-50% life expectancy used, periodic problems
4	Operational, 50-75% life expectancy used, occasional problems, frequent repairs needed
5	Operational only with constant attention, 100% life expectancy used, failure imminent

Structural

This installation consists of two above-ground waterworks storage tanks, sited on top of a hill. We were advised in subsequent discussions with town officials that the larger, southerly tank is out of service. The smaller, northerly tank is reported to be still in operation as part of the municipal water system. Both tanks were reviewed from the outside only. Town officials indicate that the interior of the tanks are periodically accessed by divers to inspect their condition. The southerly tank has a painted (green) steel exterior surface that presently exhibits extensive paint system failure, with resultant corrosion of the surface. The northerly tank has an exterior, white cementitious finish. The composition of the exterior walls of this tank could not be determined by visual inspection.

**Structural concerns:**  
Southerly tank: Paint failure and resultant corrosion. Viewed from the outside, the corrosion of the perimeter tank walls does not appear to be more than superficial as of the time of this inspection. Further inspection of the roof and the interior tank surfaces is recommended, but requires specialized personnel and equipment.  
Northerly tank: Structural composition of the tank walls should be ascertained and its condition should be verified by divers. The causes and significance of the crazing evident in the exterior cementitious finish should be determined

