

**567—81.4(455B) Water treatment plant grades.**

**81.4(1) Classifications.** The water treatment plant classifications are listed in the following table:

Water Treatment Plant Classifications

Treatment Type	Grade*			
	Average Daily Pumpage in MGD			
	0-0.1	>0.1-0.5	>0.5-1.5	>1.5
1. Iron or manganese removal; aeration; chlorination; fluoridation; stabilization; any other chemical addition; or any combination of these processes	I	II	II	III
2. Ion exchange	II	II	III	III
3. Direct surface water filtration	II	II	III	III
4. Utilization of lime, soda ash or other chemical addition for pH adjustment in the precipitation and coagulation of iron or manganese	II	II	III	III
5. Complete surface water clarification or lime softening of surface water or groundwater	III	III	III	IV
6. Reverse osmosis and electrodialysis	II	II	III	IV
7. Activated carbon for THM or synthetic organics removal	III	III	III	IV

\*For Grade A water supply classification, see subrule 81.6(1).

**81.4(2) Average daily pumpage.** When the average daily pumpage is unknown, the plant grade will be determined from the population of the most recent census and an evaluation of commercial, industrial, and other users.