

7:10-12.6 Water volume requirements

(a) The pumping capacity from all available water sources for a public noncommunity or nonpublic water system shall meet the following minimum requirements:

1. For water systems that supply residential consumers, the system shall deliver a minimum of 2.0 gallons per minute per bedroom served for 30 minutes.

2. For water systems that supply all persons other than residential consumers and use hydropneumatic storage, the pumping capacity shall be 10 times the average daily demand as determined using Table 1 below. If gravity storage is used, the minimum pumping capacity may be lowered, but not to less than the minimum required yield as set forth in (b) below.

(b) The total yield from all available water sources for a public noncommunity or nonpublic water system shall meet the following minimum requirements:

1. For water systems that supply residential realty improvements, the yield shall be at least 0.25 gallons per minute per bedroom served.

2. For water systems that supply all persons other than residential consumers, the yield shall be at least three times the average daily demand as determined using Table 1 below.

TABLE 1
AVERAGE DAILY WATER DEMAND

Type of establishment	Gallons per person
1. Cottage	100
2. Single family dwelling	100
3. Multiple family dwelling (apartment)	75
4. Rooming house	50
5. Boarding house*	75
a. For each nonresident boarder	15
6. Hotel*	50-75
7. Motel or tourist cabin	50-75
8. Mobile home park	100
9. Restaurant**	
a. Sanitary demand	5
b. Kitchen demand	5
c. Kitchen and sanitary demand	10
10. Camp***	
a. Barracks type	50
b. Cottage type	40
c. Day camp (no meals served)	15
11. Day school	
a. No cafeteria or showers	10
b. With cafeteria and no showers	15
c. With cafeteria and showers	20
d. With cafeteria, showers and laboratories	25
12. Boarding school*	100
13. Health care institution other than hospital	75-125
14. Hospital (depending on type)	150-250
15. Industrial facility (8 hour shift)	25
16. Picnic grounds or comfort station	
a. With toilet only	10
b. With toilet and showers	15
17. Swimming pool or bathhouse	10
18. Club house*	
a. For each resident member	60
b. For each nonresident member	25

Type of establishment	Gallons per person
19. Nursing home	150
20. Campground	
a. Without individual sewer hook-up	75 per site
b. With individual sewer hook-up	100 per site
c. With laundry facility and individual sewer hook-up	150 per site
21. Store, office building	0.125 gal/sq. ft
22. Self-service laundry	50 gal/wash

* Includes kitchen demand at 10 gallons per person per day. If laundry demand is anticipated, the estimated water demand shall be increased by 50 percent.

** Demand projections shall be calculated by multiplying the certified seating capacity of the establishment by the applicable water usage in gallons per person under 9a, b or c above, and by a factor of 1, 2, or 3 reflecting the hours of operation, as follows: one to six hours (1), seven to 12 hours (2), or more than 12 hours (3).

*** When the establishment will serve more than one use, the multiple use shall be considered in determining water demand.

Amended by R.2004 d.442, effective December 6, 2004.

See: 36 N.J.R. 295(a), 36 N.J.R. 5383(b).

Rewrote (b).

7:10-12.7 Sources of water

(a) The source of water for a public noncommunity or nonpublic water system shall be a well or wells, except that the administrative authority shall approve the use of spring or springs in accordance with N.J.A.C. 7:10-12.23 if construction of a well is not possible due to the local terrain and/or geology, provided the water derived from the spring or springs is disinfected pursuant to N.J.A.C. 7:10-12.32. Dug wells, Kelly concrete-cased wells and/or their equivalents, and cisterns shall not be used as a source of water for such systems unless approved by the Department in accordance with N.J.A.C. 7:10-12.25.

(b) Duplicate wells and pumping equipment, or interconnection with another water system, shall be installed and ready to be used for a water system for which the average water demand exceeds 30,000 gallons per day.

(c) A single nonpublic water system shall not serve multiple realty improvements unless one person owns and directly controls all such realty improvements.

7:10-12.8 Frost protection

All parts of a public noncommunity or nonpublic water system shall be designed, located and constructed to protect the water against freezing.

7:10-12.9 Physical connection

No physical connection shall be established between a public noncommunity or nonpublic water system constructed in accordance with this subchapter and a public community water system unless the physical connection is approved in accordance with N.J.A.C. 7:10-10.