

APPENDIX S

Rockland County Department of
Health - Water Supply Available for
New Projects

Rockland County Department of Health
Assessment of United Water New York Water Supply Available for New Projects

In accordance with both the New York State Sanitary Code [10 NYCRR Part 5] and the New York State Realty Subdivision Laws [Article 11, Title II, Public Health Law and Article 17, Title 15, Environmental Conservation Law], the Rockland County Department of Health (RCDOH) must assess the adequacy of a public water supply system to support additional water demands that would result from proposed expansion of the system to serve new customers. Neither proposed additions to the water supply distribution system, nor realty subdivisions that would rely on such additions can be approved without documentation of sufficient water supply capacity to serve a newly proposed project while meeting New York State design standards within the entire water supply system.

RCDOH assessment of such proposed additions to the United Water New York (UWNY) system is based upon a comparison of UWNY's projected maximum day, or peak, demand for 2008 and the peak water supply capacity that is currently available. The baseline for these assessments is UWNY's Engineer's Report, updated in March 2008, which includes the following information:

- The projected peak demand for 2008 is 48.4 million gallons per day (MGD), 0.5 MGD higher than the projected peak for 2007 (i.e., 0.5 MGD of the total projected peak demand is allocated for 2008 additions to the UWNY water supply system); and,
- UWNY's available peak supply capacity at the time of the report was 50.5 MGD. This capacity includes a total of 7.0 MGD from the Ramapo Valley Well Field (3.0 MGD of which is available for only 3 days).

UWNY's total available peak supply capacity exceeds the projected peak demand by 2.1 MGD. Therefore, the capacity available to support 2008 growth within the UWNY distribution system is comprised of the 0.5 MGD already included in the 2008 projection, plus the 2.1 MGD surplus, a total of 2.6 MGD. If the actual peak demand during 2008 exceeds the projected peak demand, the capacity available to support additional growth will be immediately reduced by the difference between actual and projected.

The table below summarizes this assessment and specifies the balance of water supply capacity that has not yet been allocated to an approved project. This table will be updated as new projects are approved by the RCDOH, and as new supply capacity is added to the UWNY water supply system.

The projected demand for new projects will be deducted from the remaining surplus supply capacity only after the applications for water main extensions and/or subdivisions are approved by the RCDOH. Plans must be submitted in accordance with the RCDOH Engineering Plan Submittal Procedure. Project approvals are contingent upon compliance with New York State design standards as specified in the Recommended Standards for Water Works, 2003 Edition. Complete engineering plans that are: (1) submitted in accordance with the above-referenced RCDOH procedure, (2) meet all applicable technical design standards, and (3) are otherwise approvable in accordance with federal, state and local laws or regulations, will be compared to the remaining available water supply capacity on a "first in, first out" basis for final approval. Incomplete submittals, or submittals that do not comply with design standards **will not** constitute a "reservation" of available supply capacity.

	Year 2008
UWNY's Projected Annual Additional Peak Demand (MGD)	0.5000
UWNY's Total Projected Peak Demand (MGD)	48.4000
Includes Projected Annual Additional Peak Demand	
UWNY's Current Peak Supply Capacity (MGD)	
UWNY's Total Peak Supply Capacity on January 1, 2008 (MGD)	50.5000
Peak Capacity Added Since January 1, 2008 (MGD)	0.0000
Total	50.5000
Peak Capacity Available for Development in 2008	2.6000
Current Peak Supply Capacity - (Total Projected Peak Demand ¹ -Projected Annual Additional Peak Demand)	
¹ Or actual peak demand if higher than projected	
Available Peak Capacity Allocated to Approved Projects (Post-January 1)	
Fant Subdivision	0.0160
Courtyard at Upper Nyack	0.0185
Sterling Avenue	0.0010
Halley Estates II	0.0288
Rio Vista Montebello	0.0126
Glen Hill Condominiums	0.0936
Kohl Industrial Park	0.0323
Weinberger Subdivision	0.0432
25 Jackson Avenue, Hav.	0.0031
Total (Through April 30, 2008)	0.2492
Balance Available for New Development Projects	2.3508