

|  | TO ALL APPLICANTS: If your application lacks any of the below requirements, circle the items and in the remarks column, provide an explanation |  |  |
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| 4 | Flow meter. Flow rates at the discharge line must be measured with a water flow meter. A valve must also be on the discharge line in order to permit adjustment of the flow rate. | YES |  |
| 5 | Discharge. The discharged water must be channeled away, at a minimum distance of 100 feet, from the wellhead to minimize direct recharge of the well during the test. Any and all permits required by the NJDEP for the discharge of water must be obtained prior to starting the test. | YES |  |
| 6 | Dip tube. All test wells must have a "dip tube" installed in order to allow accurate measurement of the water level during the pump test. The water level must be measured to the nearest tenth of a foot from a fixed point (measurement point); e.g., from the top of the well casing. | YES |  |
| 7 | Evaluation of General Requirements. Failure to adhere to general requirements will invalidate the test results. Pumping tests shall be performed from July through October to adequately account for seasonal effects on aquifer levels and the associated changes to ground water hydraulics (e.g., changes in transmissivity in leaky or semiconfined aquifers and unconfined aquifers as aquifer water levels change). | YES |  |
| 8 | Property Owner Notification. Owners of existing wells on lots located within 200 feet of the property boundary of a proposed new or altered well, as applicable to § 153 25.1 Table 1, shall receive notification of the scheduled well test(s) from the applicant, via certified mail and regular mail, four (4) weeks prior to the well test date. The applicant shall obtain a certified list of all property owners within 200 feet of the property boundary from the Township Tax Assessor. If the lot that is the subject of the application is a flag lot, the distance indicated previously in this subsection shall be measured from the main body of the lot, and the "stem" of the flag lot shall not be included in calculating such distance. | YES |  |


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| 9 | Three-Part Pump Test. The capability of a well to meet the peak demand and the total daily requirements of its user shall be evaluated through a three-part pump test. The three parts are the Peak Demand Test (§ 153-28.2); Constant Rate Test (§ 153-28.3); and Well Recovery Test (§ 153-28.4). The well must pass the Constant Rate and Peak Demand Tests as required for the size of the facility to be supported by the well. The result of the Constant Rate Test shall determine, according to § 153-28.3.c, the maximum size of the proposed residence or non-residential facility to be supported by the well. The result of the Well Recovery Test provides additional data about the suitability of the well for extended use. | YES |  |
| 10 | Technique. The three-part pump test must be performed in one continuous operation as specified in § 153-28.2, § 15328.3, and § 153-28.4. The test well must be at its Static Water Level at the beginning of the test, i.e., the well has to be undisturbed for at least 72 hours before testing. If the test sequence has to be interrupted for technical reasons, the well must be pumped to the drawdown observed just prior to the interruption before the test sequence can be resumed. If more than 24 hours lapse during interruption, the entire test must be rerun. | YES |  |
| 11 | Test Protocol. To perform the Peak Demand Test, the well is pumped at least at the Peak Demand Rate until the Peak Load has been delivered. The duration of pumping equals the Peak Demand Time (see definitions section). The water level shall be measured and recorded, at a frequency of every five (5) minutes during the test. | YES |  |


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| If the pumping rate has not varied by more than 0.2 gpm for at least the last hour of the test, the yield shall be determined to be equal to the measured pumping rate. To allow for long-term fluctuations of water availability from the aquifer, caused by variations of precipitation, competition from other ground water users or other factors, the minimum requirements of Table 2 for Constant Rate Test results shall apply to all new or expanded residential or non-residential uses. For non-residential or multiresidence use, minimum water requirements of N.J.A.C. 7:10-12.6 govern, and each 200 gallons per day requirements or fraction thereof shall be considered equivalent to one bedroom for the purpose of the Constant Rate Test. An aquifer contribution of at least 0.5 gpm shall be required for each bedroom equivalent for nonresidential use. | YES |  |



