

Procedure for Well Construction

1. Obtain a Permit for Well Construction from the Board of Health. When the permit is issued, you will be provided with the Board of Health *Well and Pump Data Form*. This form should be given to your well driller.
2. After the well is drilled, it should be flushed to clean out any impurities that may have been introduced. This is extremely important. If the well is not completely flushed, the water samples may result in analysis reports that do not meet the local requirements.
3. The *Well Driller* shall call the Board of Health office to schedule a 4-hour pump test with the Health Agent. This will be scheduled at a mutually convenient time.
4. Following the pump test, the well driller shall complete and submit to the Board of Health, the local copy of the State *Well Completion Form* and the local *Well and Pump Data Form* (see #1 above).

5. FIRST ROUND OF WATER ANALYSIS TESTING – FROM THE WELL HEAD:

The well driller will typically take the first water sample from the wellhead following the pump test. *Be sure the laboratory indicates on the analysis report the location from which the water sample was taken: i.e. well head.* The following bacteriological and chemical analyses must be performed by a Massachusetts DEP certified laboratory, and the results submitted to the Board of Health:

Total Coliform Bacteria	Total Iron
Heterotrophic Plate Count	Manganese
Ammonia Nitrogen	Color
Nitrite Nitrogen	Turbidity
Nitrate Nitrogen	Odor
Chloride	pH
Sodium	Total Alkalinity
Lead	Total Hardness
Arsenic	Volatile Organic Compounds (EPA 524)

THE WELL SHOULD NOT BE CONNECTED TO THE HOUSE UNTIL THE ITEMS LISTED IN #4 AND #5 ABOVE HAVE BEEN SUBMITTED TO THE BOARD OF HEALTH AND APPROVED BY THE AGENT.

6. The Health Agent will provide approval for connection of the well to the house following receipt and approval of the Well Completion Form, Well and Pump Data Form, and first round of testing (from well head). *If the analysis report indicates that any parameter exceeds the local requirements, as listed in the Board of Health Regulations for Domestic Water Supply, additional testing shall be completed and submitted.* The well driller may only connect the well to the house following approval from the Health Agent.

7. SECOND ROUND OF WATER ANALYSIS TESTING – FROM TAP IN HOUSE:

The well driller should first flush the pipes to clean out any impurities that may have been introduced during the construction process. The well driller should take a sample from a tap within the house and have it tested for the same bacteriological and chemical analyses as stated in #5 above, and the results should be submitted to the Board of Health. *Be sure the laboratory indicates on the analysis report the location from which the water sample was taken: i.e. kitchen tap.* The Health Agent will review the analysis report for compliance with the local regulations for Domestic Water Supply. *If the analysis report indicates that any parameter exceeds the local requirements, additional testing shall be completed, submitted, and approved before the well will be approved for use.*

THE HEALTH AGENT WILL ISSUE FINAL WELL APPROVAL FOLLOWING RECEIPT OF ALL REQUIRED FORMS AND ACCEPTABLE WATER ANALYSIS REPORTS.