§290.47(h) Appendix H. Special Precautions Flowchart.

**PUBLIC WATER SUPPLIER RESPONSE TO LOSS OF PRESSURE TO ALL OR PARTS OF THE DISTRIBUTION SYSTEM**

**START**

1. Did distribution pressures drop below 20 psi during the maintenance/repair/emergency incident?
   - **Yes**
     - Was the distribution line fully or partially dewatered?*
       - **No**
       - Complete repair and/or restore normal pressure
       - **Yes**
         - Can the affected distribution lines be disinfected in accordance with AWWA standards?
           - **Yes**
             - Disinfect in accordance with AWWA standards
             - **No**
               - Can the affected distribution lines be adequately flushed? (See below)
                 - **Yes**
                   - Flush until the chlorine residual reaches normal operating levels or until a minimum of two volumes of the affected line is flushed, whichever is greater. If the water is not clear after the prescribed flushing, continue to flush until water clears.
                   - Immediately collect bacteriological samples from the affected portion of the distribution system and return the affected portion to service.
                   - Are all samples negative?
                     - **No**
                       - Notify TNRCC Regional Office immediately. Additional measures up to and including the issuance of a Boil Water Notification to affected area may be required.
                     - **Yes**
                       - Are any samples fecal positive?
                         - **No**
                           - STOP No further action necessary
                         - **Yes**
                           - Notify TNRCC Regional Office immediately. Additional measures up to and including the issuance of a Boil Water Notification to affected area may be required.
               - **No**
                 - Did distribution pressures drop below 20 psi during the maintenance/repair/emergency incident?
                   - **Yes**
                     - Was the distribution line fully or partially dewatered?*
                       - **No**
                         - Complete repair and/or restore normal pressure
                       - **Yes**
                         - Can the affected distribution lines be disinfected in accordance with AWWA standards?
                           - **Yes**
                             - Disinfect in accordance with AWWA standards
                           - **No**
                             - Can the affected distribution lines be adequately flushed? (See below)
                               - **Yes**
                                 - Flush until the chlorine residual reaches normal operating levels or until a minimum of two volumes of the affected line is flushed, whichever is greater. If the water is not clear after the prescribed flushing, continue to flush until water clears.
                                 - Immediately collect bacteriological samples from the affected portion of the distribution system and return the affected portion to service.
                                 - Are all samples negative?
                                   - **No**
                                     - Notify TNRCC Regional Office immediately. Additional measures up to and including the issuance of a Boil Water Notification to affected area may be required.
                                   - **Yes**
                                     - Are any samples fecal positive?
                                       - **No**
                                         - STOP No further action necessary
                                       - **Yes**
                                         - Notify TNRCC Regional Office immediately. Additional measures up to and including the issuance of a Boil Water Notification to affected area may be required.
                   - **No**
                     - STOP No further action necessary

* Dewatering occurs when the distribution system is depressurized to perform line repair or replacement.

Adopted January 13, 1999

Effective February 4, 1999