



**FLORIDA DEPARTMENT OF HEALTH IN BROWARD COUNTY
ENVIRONMENTAL ENGINEERING SECTION**

**SPECIFIC PERMIT WATER TREATMENT PLANT CONSTRUCTION OR MODIFICATION
PLAN REVIEW CHECKLIST**

_____ Current Application Filled Out Completely	_____ Logo, Sheet No., Project Name,
_____ Signatures/Seals/Dates	_____ North Arrow & Scale
_____ Service Line(s) < 2"	_____ Sampling Point Detail
_____ Small Scale Location	_____ Service Connection Detail
_____ Valve Designation	_____ Thrust Block/Restrained Pipe Detail
_____ Sample Point Designation	_____ Flushing Riser/blow-off Detail
_____ Water and Sewer Main Separation	_____ Fire Hydrant Detail
_____ Pipe Specifications [C151(Class)/C900(SDR)]	_____ Fill and Flush Detail
_____ Minimum Pipe Cover	_____ Backflow Preventer Detail
_____ Test Pressure, Time and Allowable Leakage	_____ Disinfection Specs. (C651-05)
_____ Color Coding Requirements (62-555.320)	_____ DEP Fee (To Be Determined)
_____ SFWMD Water Use Permit	_____ Other References

- [] All water mains shall be installed with a minimum cover of 36 inches for PVC and 30 inches for DIP. Include this comment on the engineering plans of future water project submittals to this department.
- [] All signatures on the application forms shall be dated.
- [] All water main installations shall comply with the color coding requirements of Chapter 62-555.320, FAC. Include this statement on the engineering plans of future water project submittals to this department.
- [] No beneficial use shall be made of the proposed water mains to be installed per this permit without written approval from the Florida Department of Health in Broward County.
- [] Hydrostatic testing of new mains shall be performed for a **minimum** period of 2 hours at a **minimum** starting pressure of 150 psi and the formula for calculating the maximum allowable leakage be applied as per the ANSI/AWWA C600-05 Standard.
- [] Updated reference to current ANSI/AWWA Standards; proper formula for determining allowable leakage: $Q = LD \times \text{Square Root of } P / 148,000$ where Q = quantity of makeup water (in gallons per hour), L = length of pipe section being tested (in feet), D = nominal diameter of the pipe (in inches), and P = average test pressure during the hydrostatic test (in pounds per square inch gauge).
- [] The Preliminary Design Report shall contain the 19-items described in Section 62-555.520(4)(a), FAC