

TS No.	Superseded (Remove)	Revised/New (Insert)	Remarks
TS 4.02	- -	Apr 2016	<b>Construction Specification for Sewer Bypass Flow Pumping for Trunk Sewers</b> • New Specification.
TS 4.02	Apr 2016	Nov 2016	<b>Construction Specification for Sewer Bypass Flow Pumping for Trunk Sewers</b> • Subsection 4.02.06.12 Temporary Sewer Bypass Piping and Redundancy; several paragraphs revised.
TS 4.13	- -	Nov 2016	<b>Specification for Non-structural Maintenance Hole Rehabilitation</b> • New Specification.
TS 7.21	Jun 2007	Nov 2016	<b>Construction Specification for Hot-Spot Cathodic Protection of Existing Iron Watermains</b> • Section 7.21.02 References; T-1106.03-1 added, ASTM 843-93 updated to 843-13, ASTM G97-89 updated to G97-97(2013).
TS 7.22	Nov 2010	Nov 2016	<b>Construction Specification for Cathodic Protection of New Watermains</b> • Section 7.22.02 References; T-1106.03-1 added, ASTM A418-01 revised to B418.

TS No.	Superseded (Remove)	Revised/New (Insert)	Remarks
TS 7.30	Jan 2015	Nov 2016	<p><b>Procedure for Disinfecting Watermains</b></p> <ul style="list-style-type: none"> <li>• Section 7.30.02 References; Safe Drinking Water Act, Watermain Disinfection Procedure, T-1104.03-3, T-1104.03-4, Drinking Water Permit and C655 added.</li> <li>• Section 7.30.03 Definitions; certified operator, water quality analyst and backflow definitions added.</li> <li>• Subsection 7.30.05.01 Disinfectants; 2<sup>nd</sup> and 3<sup>rd</sup> sentence are new.</li> <li>• Subsection 7.30.05.02 De-chlorinating Agents; revised from C651 to C655.</li> <li>• Section 7.30.06 Equipment; new.</li> <li>• Subsection 7.30.06.01 Chlorine Residual Testing; new subsection.</li> <li>• Subsection 7.30.06.02 Backflow Preventor; new subsection.</li> <li>• Clause 7.30.07.01.03 Precautions before Disinfection; revised step a).</li> <li>• Clause 7.30.07.01.04 Pressure Testing and Disinfection; new clause.</li> <li>• Clause 7.30.07.02.02 Supervision, Testing and Records; last sentence revised.</li> <li>• Subsection 7.30.07.03 Connections of New Watermains to Watermains in Service; new subsection.</li> <li>• Clause 7.30.07.03.01 Tapping Sleeves; new clause.</li> <li>• Clause 7.30.07.03.02 Water Service Lines; new clause.</li> <li>• Clause 7.30.08.01.01 Flushing and Swabbing; first paragraph, 0.8 m/s changed to 0.9 m/s to reflect updated to AWWA C651.</li> <li>• Clause 7.30.08.01.02 Valve Operation Sequence; First sentence rewritten.</li> <li>• Section 7.30.08 Disinfection Procedure; first sentence updated to include new MOECC Watermain Disinfection Procedure document.</li> <li>• Clause &amp;.30.08.02.02.01.01 Free Chlorine Residual at the End of Contact Time; 50 per cent reference changed to 40 per cent along with sentence change.</li> <li>• Clause 7.30.08.02.02 Slug Method; Table 1 revised in its entirety.</li> <li>• Subsection 7.30.08.03 Flushing after Disinfection; first sentence revised.</li> <li>• Subsection 7.30.09.01 Qualified Persons; new subsection.</li> <li>• Subsection 7.30.09.02 Water Sampling and Analytical Tests; second paragraph 24 hrs changed to 16 hrs to reflect updated AWWA C651.</li> <li>• Subsection 7.30.09.04 Sampling for Short Filler Pieces and Appurtenances; entire paragraph revised.</li> <li>• Section 7.30.10 Disinfection of Watermains in Emergency Situations; entire section rewritten.</li> </ul>

TS No.	Superseded (Remove)	Revised/New (Insert)	Remarks
TS 7.70	Apr 2015	Nov 2016	<p><b>Watermain Replacement and Connection Procedure</b></p> <ul style="list-style-type: none"> <li>• Section 7.70.02 References; new section added.</li> <li>• Section 7.70.03 Definitions; certified operator, water quality analyst and backflow definitions added.</li> <li>• Section 7.70.05 Material; new section.</li> <li>• Section 7.70.06 Equipment; new section.</li> <li>• Section 7.70.07 Construction; new section.</li> <li>• Clause 7.70.07.01 New Watermain System; Select numbered steps reworded and renumbered</li> <li>• Clause 7.70.07.02 Connecting to Branch Connections; Steps 1, 4, 6, 12, 13 and 14 revised.</li> <li>• Clause 7.70.07.03 Connecting to Source Feeder Watermain; Select numbered steps reworded and renumbered.</li> <li>• Note 1; revised.</li> </ul>
TS 7.80	Jan 2015	Nov 2016	<p><b>Material Specification for Large Diameter Watermains</b></p> <ul style="list-style-type: none"> <li>• Numerous subsections and clauses rewritten.</li> <li>• New Appendix A added.</li> </ul>
TS 401	Apr 2014	Nov 2016	<p><b>Amendment to OPSS.MUNI 401 (Nov 2015) – Construction Specification for Trenching, Backfilling and Compacting</b></p> <ul style="list-style-type: none"> <li>• Subsection 401.05.01 Embedment Material; Granular A RCM added.</li> <li>• Subsection 401.05.02 Bedding Material; revised and new.</li> <li>• Subsection 401.05.05.01 General; revised and new.</li> </ul>