

ISO/TR 24524:2019-02 (E)

Service activities relating to drinking water supply, wastewater and stormwater systems - Hydraulic, mechanical and environmental conditions in wastewater transport systems

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Toilets		2
4.1 General.....		2
4.2 Typical toilet types.....		2
4.3 Usage patterns.....		3
5 Drain lines		3
5.1 General.....		3
5.2 Drain line hydraulic conditions — intermittent flow.....		3
5.2.1 General.....		3
5.2.2 Drain line clearance — stranding.....		3
5.2.3 Drain line clearance — settling.....		4
5.2.4 Drain line clearance — snagging.....		4
5.3 Typical drain line configurations.....		4
6 Wastewater transport systems		5
6.1 General.....		5
6.2 Typical transit times in transport systems.....		6
6.3 Typical hydraulic conditions in flowing pipes (Reynolds number).....		6
7 Screening		6
8 Treatment processes		6
8.1 General.....		6
8.2 Settlement.....		7
8.3 Liquid phase of treatment plants.....		7
8.4 Biodegradation of settled solids.....		7
9 Environmental considerations		7
Bibliography		8