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

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/TR 24524:2019](https://standards.iteh.ai/catalog/standards/iso/4a1bfa76-2715-4f0f-ad4a-3842a50cc86c/iso-tr-24524-2019)

<https://standards.iteh.ai/catalog/standards/iso/4a1bfa76-2715-4f0f-ad4a-3842a50cc86c/iso-tr-24524-2019>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/TR 24524:2019](https://standards.iteh.ai/catalog/standards/iso/4a1bfa76-2715-4f0f-ad4a-3842a50cc86c/iso-tr-24524-2019)

<https://standards.iteh.ai/catalog/standards/iso/4a1bfa76-2715-4f0f-ad4a-3842a50cc86c/iso-tr-24524-2019>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

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