

ISO/~~DIS~~FDIS 18997:2025(en)

ISO/TC 282/SC 2

Secretariat: SAC

Date: 2025-~~02-27~~04-25

Water reuse in urban areas — Guidelines for ~~the~~ urban reclaimed water for landscaping uses

iTeh Standards

(<https://standards.iteh.ai>)
FDIS stage
Document Preview

ISO/FDIS 18997

<https://standards.iteh.ai/catalog/standards/iso/36ae70e5-acf2-40a7-8bb1-090967ced66d/iso-fdis-18997>

© ISO 2025

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
~~Email~~E-mail: copyright@iso.org
Website: www.iso.org

Published in Switzerland

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

ISO/FDIS 18997

<https://standards.iteh.ai/catalog/standards/iso/36ae70e5-acf2-40a7-8bb1-090967ced66d/iso-fdis-18997>

Contents

Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Abbreviated terms.....	2
5 General recommendations.....	3
5.1 General.....	3
5.2 Safety.....	3
5.3 Ecological rationale.....	4
5.4 Greenhouse gases (GHGs) emissions.....	4
5.5 Aesthetic considerations.....	4
6 Hydraulic design considerations.....	5
6.1 General.....	5
6.2 Assessment of reclaimed water quantity.....	5
6.3 Hydraulic retention time (HRT).....	5
6.4 Flow pattern.....	6
6.5 Input point of reclaimed water.....	7
7 Water quality considerations.....	7
7.1 General.....	7
7.2 Routine water quality parameters.....	7
7.3 Specific water quality parameters.....	9
8 Supplemental treatment.....	9
8.1 General.....	9
8.2 Decolourisation.....	9
8.3 Disinfection.....	10
8.4 Odour removal.....	10
8.5 Turbidity removal.....	10
8.6 Nutrients removal.....	10
8.7 Other supplemental treatments.....	11
8.8 Practice considerations for treatment selection and operation.....	11
9 Management.....	11
9.1 General.....	11
9.2 Management of water quality and quantity.....	11
9.3 Notice.....	11
10 Emergency response plan.....	12
Annex A (informative) Examples of monitoring parameters for landscape water reuse.....	13
Annex B (informative) Actual examples of reclaimed water for landscaping uses.....	14
Bibliography.....	15

Foreword

ISO (the International Organization for Standardization) is ~~an~~worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity, or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ~~ISO's~~ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ~~for Project Committee~~ ISO/TC 282, *Water reuse*, Subcommittee SC 2, *Water reuse in urban areas*.

<https://standards.iteh.ai/catalog/standards/iso/36ae70e5-acf2-40a7-8bb1-090967ced66d/iso-fdis-18997>
Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.