
**Guidelines for treated wastewater use
for irrigation projects —**

**Part 2:
Development of the project**

*Lignes directrices pour l'utilisation des eaux usées traitées en
irrigation —*

Partie 2: Développement du projet

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

[ISO 16075-2:2020](https://standards.iteh.ai/catalog/standards/iso/f761c61c-fe34-465a-ae19-8e5f01750225/iso-16075-2-2020)

<https://standards.iteh.ai/catalog/standards/iso/f761c61c-fe34-465a-ae19-8e5f01750225/iso-16075-2-2020>



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

[ISO 16075-2:2020](https://standards.iteh.ai/catalog/standards/iso/f761c61c-fe34-465a-ae19-8e5f01750225/iso-16075-2-2020)

<https://standards.iteh.ai/catalog/standards/iso/f761c61c-fe34-465a-ae19-8e5f01750225/iso-16075-2-2020>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

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: 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, definitions, and abbreviated terms	1
3.1 Abbreviated terms	2
4 Public health and TWW quality to considerations	2
4.1 TWW quality levels	2
4.2 TWW quality for irrigation use.....	6
4.2.1 Agricultural use.....	6
4.2.2 Urban use	6
4.3 TWW irrigation barriers.....	6
4.3.1 General.....	6
4.3.2 Types of barriers.....	7
4.3.3 Crops for irrigation without limitations	7
4.3.4 Barriers in the irrigation of public gardens.....	7
4.3.5 Barriers in the irrigation of fodder crops.....	7
4.3.6 Applicable barriers that may be use.....	7
4.3.7 Barriers needed for irrigation with TWW according to their quality.....	9
5 Public health aspects of flood and furrow irrigation with TWW	10
6 Public health risks for surrounding residents	11
7 Public health aspects of garden irrigation with treated greywater	11
7.1 General.....	11
7.2 Protecting public health.....	11
7.2.1 Maintaining high quality of TGW used for irrigation	12
7.2.2 Preventing contamination of the drinking water distribution network.....	12
7.2.3 TGW irrigation time.....	12
7.2.4 TGW irrigation equipment.....	12
7.2.5 Signage.....	12
Annex A (informative) Adjustment of the TWW quality used for irrigation and the barriers that can be used to the types of crops that can be irrigated with the TWW	13
Bibliography	19

Foreword

ISO (the International Organization for Standardization) is a 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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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 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 ISO/TC 282, *Water reuse*, Subcommittee SC 1, *Treated wastewater use for irrigation*.

This second edition cancels and replaces the first edition (ISO 16075-2:2015), which has been technically revised. The main changes compared to the previous edition are as follows:

- updating the values of turbidity in [Table 1](#)— suggested treated wastewater quality according to chemical, physical and biological parameters);
- updating the issue of Irrigation of public gardens in [Table 2](#) — Suggested types and accredited number of barriers;
- updating the subject of public and private gardens irrigation by treated wastewater (TWW);
- adding [Clause 7](#): Public health aspects of garden irrigation with treated greywater and;
- updating [Table A.1](#) added new column— washing or disinfection the produce.

A list of all parts in the ISO 16075 series can be found on the ISO website.

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.