



NSAI
Standards

Irish National Annex
NA:2019 TO I.S. EN 16941-1:2018

Irish National Annex to I.S. EN 16941-1 On-site non-potable water systems - Part 1: Systems for the use of rainwater

NA:2019 to I.S. EN 16941-1:2018

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NA:2019 to I.S. EN 16941-1:2018**National Annex foreword**

This National Annex was developed by the NSAI Wastewater Engineering working group on the use of treated wastewater (NSAI/TC 011/WG 5).

This National Annex is to be used in conjunction with I.S. EN 16941-1:2018.

National Annexes are reviewed as necessary, e.g. when a new edition, an amendment or a corrigendum is issued. The user should check that the National Annex addresses the latest changes to the European Standard. Previews of all documents are available on www.standards.ie. Any questions should be directed to NSAI.

Where a European Standard has been changed (revised/amended/corrected) and the National Annex has yet to be revised to account for the change(s), the National Annex for the previous version is available.

Engineering judgement must be applied if using guidance contained herein, e.g. when selecting appropriate parameters.

This National Annex does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

The table below indicates which changes have been considered by the relevant National Committee during the life of this edition of the European Standard.

Publication	Date Published	Assessed and taken into account if relevant
I.S. EN 16941-1:2018	2018-07-30	Yes

Compliance with a National Annex does not itself confer immunity from legal obligations.

In line with international standards practice the following representation of numbers and numerical values apply:

- The decimal point is shown as a comma (,) throughout this National Annex.
- Each group of three digits reading to the left or to the right of a decimal sign are separated by a space from the preceding digits or following digits respectively.

Introduction

This document gives guidance on the use of Annex A in I.S. EN 16941-1:2018 taking into consideration the meteorological conditions of Ireland. The purpose is to aid users to calculate the appropriate storage capacity (nominal capacity) required when installing a rainwater harvesting system to be used for non-potable applications only.

NA.1 Scope

This National Annex provides additional information on:

- a) the basic and detailed calculation methods for determining the nominal capacity required when installing a rainwater harvesting system for non-potable use;
- b) the appropriate 'dry period' to be used when performing the calculation; and
- c) the definitions, parameters and terminology used in Annex A of I.S. EN 16941-1:2018.

NA.2 Normative references

The following document is referred to in the text in such a way that some or all of the content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

I.S. EN 16941-1:2018, *On-site non-potable water systems - Part 1: Systems for the use of rainwater*

NA.3 Terms and definitions

For the purposes of this document, the terms and definitions given in I.S. EN 16941-1:2018 and the following apply.

mass balance

all water flows in the rainwater harvesting system including all inputs and outputs to the system

rainwater yield

volume of rainfall which is harvested and conveyed to a storage tank

NA.4 Rainwater harvesting process and its components

A basic rainwater harvesting system consists of a number of components:

- collection area/roof catchment surface;
- conveyance system;
- filter device;
- storage tank; and
- delivery system to transport the rainwater to the point of use.

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