ISO 22449-1:2020-01 (E)

Use of reclaimed water in industrial cooling systems - Part 1: Technical guidelines

Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms, definitions and abbreviated terms **1**
3.1 Terms and definitions 1
3.2 Abbreviated terms 3

4 Technical guidelines for the use of reclaimed water in industrial cooling systems **3**
4.1 General 3
4.2 Water quality specifications 3
4.3 Water quantity and temperature requirements 5
4.4 Wastewater treatment technologies for reuse 6
4.5 Treatment for inhibition of corrosion, scaling and biological fouling 6

Annex A (informative) **Types and characteristics of industrial cooling systems** **9**

Annex B (informative) **Water quantity requirements** **15**

Annex C (informative) **Make-up water quality requirements in closed-circuit hybrid cooling system** **16**

Bibliography **17**