

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