

ISO 22280-1:2026-09 (E)

Groundwater remediation for in situ leach uranium mining - Part 1: Determination of remediation targets

Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Fundamental principles	3
4.1 Safety.....	3
4.2 Scientific rationale	3
4.3 Adaptability.....	3
4.4 Social and economic responsibility.....	4
5 Procedure to determine remediation targets.....	4
6 Environmental investigation requirements for in situ leach uranium mining.....	4
6.1 Investigation of groundwater uses.....	4
6.2 Investigation of surrounding conditions.....	4
6.3 Groundwater background condition investigation.....	5
6.4 Groundwater contamination source term investigation following the mining operations	6
7 Stakeholder identification and engagement.....	6
7.1 General.....	6
7.2 Stakeholder identification	6
7.3 Stakeholder engagement program.....	6
8 Identification of groundwater remediation technology.....	7
8.1 Preliminary analysis of groundwater remediation techniques	7
8.2 Determination of technical alternatives.....	7
8.3 Identification of optimal technical options through analysis of effectiveness.....	7
9 Determination and adjustment of groundwater remediation target values	8
9.1 Identification of target contaminants.....	8
9.2 Determination of groundwater remediation target values.....	8
9.3 Adjustment of groundwater remediation target values.....	9
Bibliography.....	10