

ISO 15176:2002-10 (E)

Soil quality - Characterization of excavated soil and other soil materials intended for re-use

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative reference	1
3	Terms and definitions	2
3.1	Types of soil and other soil materials	2
3.2	Soil characteristics	3
3.3	Land and sites	4
3.4	Utilization, reclamation and treatment	5
3.5	Assessment	6
4	Characterization of soil materials and sites	6
4.1	General	6
4.2	Investigation strategies	8
4.3	Sampling strategies	8
4.4	Characterization of soil materials	11
5	Data quality, handling and evaluation	30
6	Using this International Standard	30
Annex A (informative) Data quality, handling and evaluation		31
Annex B (informative) Good practice in the re-use of soil materials		33
B.1	General	33
B.2	General guidance for re-use	33
B.3	Handling and storing excavated soil and other soil materials	34
B.4	Placement at the target site	34
B.5	After-care of the target site	35
B.6	Use of soil materials in construction works	35
Annex C (informative) Guidance on determination of the scope of investigation needed before excavation of soil materials		36
C.1	General	36
C.2	Determining the need for investigation	36
C.3	Development of analytical strategies	37
Annex D (informative) Example of classification and evaluation of soils and other soil materials		40
D.1	General	40
D.2	The concept of suitability classes	40
D.3	Suitability classes depending on harmful substance content	40
D.4	Soil unsuitable for re-use	42
D.5	Additional suitability classes for soil improvement and reclamation	42
D.6	Suitability of soils and soil materials for combining	43
Annex E (informative) Examples of elements and compounds belonging to different contaminant groups		45
Bibliography		47