

SoBRA

Standards sub-group

Geraint Williams

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Standards subgroup

- Objectives:
 - Inform members of developments relevant to risk assessment
 - Influence, contribute and provide support to national and international guidance

BS EH4 Soil quality (October 2017)

- AGS
- BGS
- BLRS
- BSS
- Ceram
- CIEH
- Environment Agency
- EIC
- ESA
- Geological Society (CLSG)
- ICE
- MoD
- NHBC
- RSC
- SoBRA
- Society of Biology
- SCI
- The James Hutton Institute
- University of Cranfield
- University of Glasgow
- Water UK
- *Experts:*
 - Katy Baker
 - Prof P Bardos
 - Geoff Card
 - Dr S Lofts (Lancaster University)
 - Prof P Nathanail
 - Prof J Smith
 - Steve Wilson

ISO TC/190 Soil Quality - Subcommittees

- SC1: Evaluation of criteria, terminology and codification
- SC2: Sampling
- SC3: Chemical methods and soil characteristics
- SC4: Biological methods
- SC5: Physical methods
- SC7: Soil and site assessment

Production of International Standards

- New Work Item (NWI)
- Working drafts (WD)
- Committee Draft (CD)
- Draft International Standard (DIS) - (BS Draft for Public Comment)
- Final Draft International Standard (FDIS)
- International Standard (adopted as BS?)
- European Standard (EN)??

“normative”

- The following documents, in whole or in part, are normatively referenced in this document and are indispensable for the application of this document
- *When you say you followed BS 10175 it means you also followed the listed standards [as appropriate]*

BS ISO 18400 series – published April 2017

- BS ISO 100 – Selection of sampling standards
- BS ISO 101 - Sampling plan
- BS ISO 102 - Sampling techniques & application
(replaces BS ISO 10381-2)
- BS ISO 103 - Safety *(replaces BS ISO 10381-3)*
- BS ISO 105 - Transport, storage & preservation
- BS ISO 106 - Quality assurance
- BS ISO 107 - Sampling report
- BS ISO 201 - Sample pretreatment (on-site)
after sampling
- *ISO 204 – Investigations for soil gas*

Future BS ISO 18400 series

- BS ISO 104 – Strategies (FDIS being prepared)
- BS ISO 202 – Preliminary investigations (FDIS being prepared)
- ISO 203 - Potentially contaminated sites (FDIS being prepared)
- BS ISO 205 – Natural, near-natural and agricultural sites etc. (DIS consultation completed)
- BS ISO 206 – Sampling for aerobic microbial assessments etc. (will replace BS ISO 10381-6) – FDIS being prepared

In the pipeline - 1

- Pre [BS] EN ISO 11504 Impact of petroleum hydrocarbons
- [BS] EN ISO DIS 15175 Soil and groundwater protection
- pre [BS] ISO DIS 15176 Re-use of excavated soil
- [BS] ISO DIS 15799 Ecotoxicological characterisation
- Pre CD/DIS 15800 Human exposure
- Pre [BS] ISO 17924 Bioavailability of metals in soil to humans
- Pre [BS] ISO 19258 Background concentrations
- ISO CD 21365 Conceptual site models

In the pipeline - 2

- BS 10175 Amendment 2 –
 - » *BS ISO 18400 & asbestos*
- BS 8485 Amendment 1 –
 - » *clarification of membrane requirements*
- BS ISO 18400-104, 202, 203, 205, 206
- *Revision of BS10175 +A1 +A2*
- Sampling soil for determination of VOCs

Sampling for VOCs in soil

- Guidance currently in two analytical standards (BS EN 15009:2016 & BS EN ISO 22155:2016) and guidance on long-term storage of samples (BS ISO 18512:2007).
- Guidance for application in the field required.
- Combination of specification (samples **shall** be taken and handled correctly) and guidance (e.g. sampling access technique – windowless or ?)

Volunteers for Drafting Panel required

Revision of BS 10175

- 2018 onwards ?
- Is it needed ?
- Is it wanted ?
- “Light” or “full” ?
- What to do about asbestos?
- Are there people willing to do the necessary work ?

ISO TC 190 – future themes

- Climate change
- Sustainable use of soil

Keeping informed/contributing

- The best way for an organisation to keep informed is to join the BS committees and ISO/CEN Working Groups in which they have an interest and then to disseminate information to its members
- Contact representatives of organisations of which you are a member i.e. SoBRA
- Become an “expert”

- Thanks to Mike Smith and Mike Quint

Thanks for listening

geraint.williams@alsglobal.com