

Revision of BS10175:2001

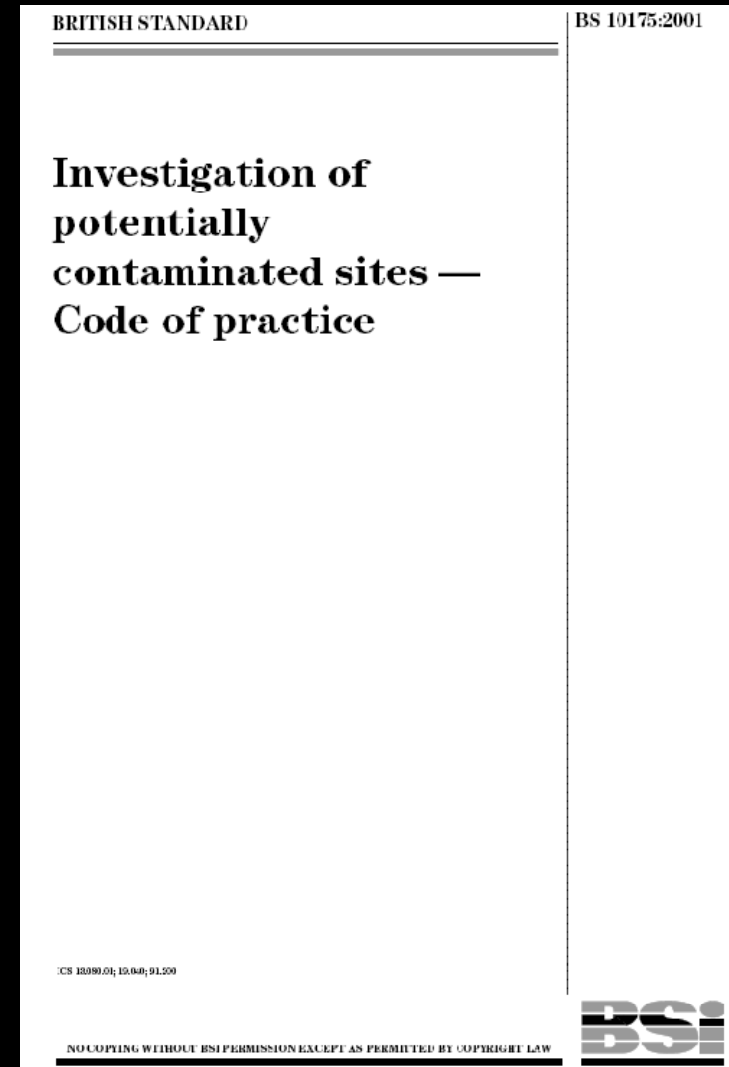
CIEH/SCLC Annual Plenary Conference

April 22, 2010

Richard Owen

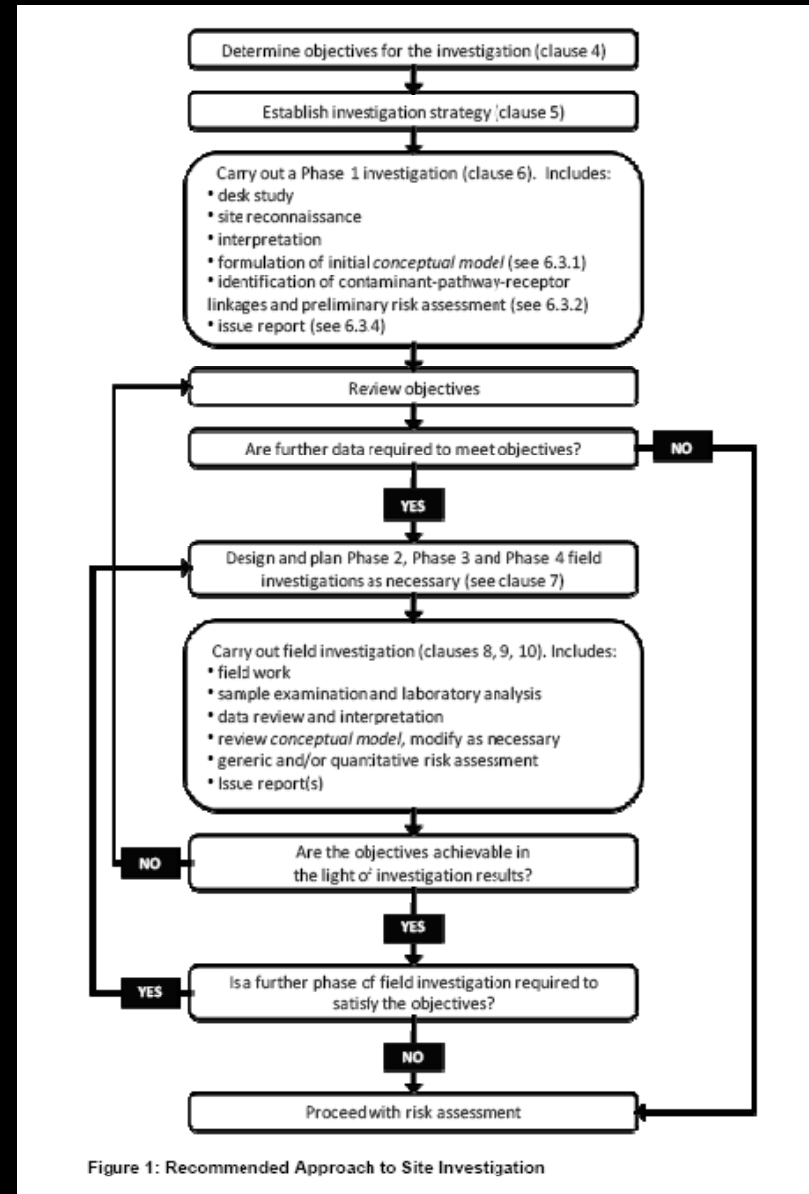
Topics Covered

- **The existing Standard**
- **The revision : Why? How?**
- **Timetable for revision**
- **New guidance**
- **Extent of changes**
- **Key areas of revision**
- **How to contribute**



1. The existing Standard

- Code of Practice
- Not an SI specification
- Planning, designing, conducting and factual reporting
- Differing objectives of investigation
- Not guidance on risk assessment



2. Revision of BS10175 : Why? How? When?

BS10175 is partly out of date:

- Standards, good practice industry guidance and legislation since 2000 not referenced.
 - Organisations referred to no longer exist.
 - Developments in investigation practices and techniques.
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- **BSI Special Projects funding :**
 - Consultancy support to EH/4 Technical Committee.
 - EOI and competitive tendering Oct. – Dec. 2009
 - Arup appointment January 2010.
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- **Publication Draft due December 2010**

3. Revision of BS10175 : Programme

- **Oct – Dec 2009 : BSI initial request for comments.**
- **Jan. to May 2010 : Preparation of draft for public consultation.**
- **June – Aug 2010 : Public Consultation**
- **Sept. to Nov 2010 : Review of comments and preparation of publication draft.**
- **Dec 2010 : Arup delivers Publication Draft to BSI.**
- **2011 : BSI publish revised standard.**

Revision to BS10175 : New Guidance

- **Environment Agency**

- Technical Aspects of Site Investigation (P5-065/TR), 2000
- Secondary Model Procedures (P5-066), 2001
- CLR11 Model Procedures, 2004
- Guidance on Requirements for Land Contamination Reports, 2005
- MCERTS Performance standard for laboratories, 2007
- R&D 66 Guidance for the safe development of housing on land affected by contamination, 2008
- Framework for the use of rapid measurement techniques, 2009

Revision to BS10175 : New Guidance (contd)

CIEH and CL:AIRE

- Local Authority Guide to Ground Gas, 2008
- Guidance on comparing soil contamination data with a critical concentration, 2008

• **CIRIA**

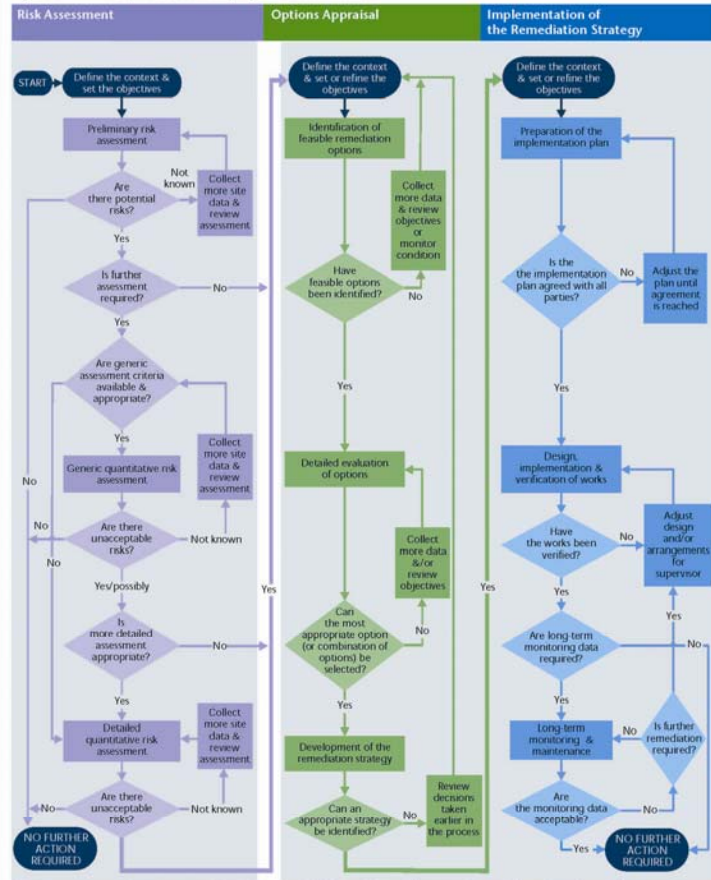
- C665 Assessing risks posed by hazardous ground gases to buildings, 2007
- C681 UXO: a guide for the construction industry, 2009
- W30 SAFEGROUNDS Good practice guidance for site characterisation, 2009.

• **ISO/BSI**

- Various standards on soil quality sampling, handling and treatment

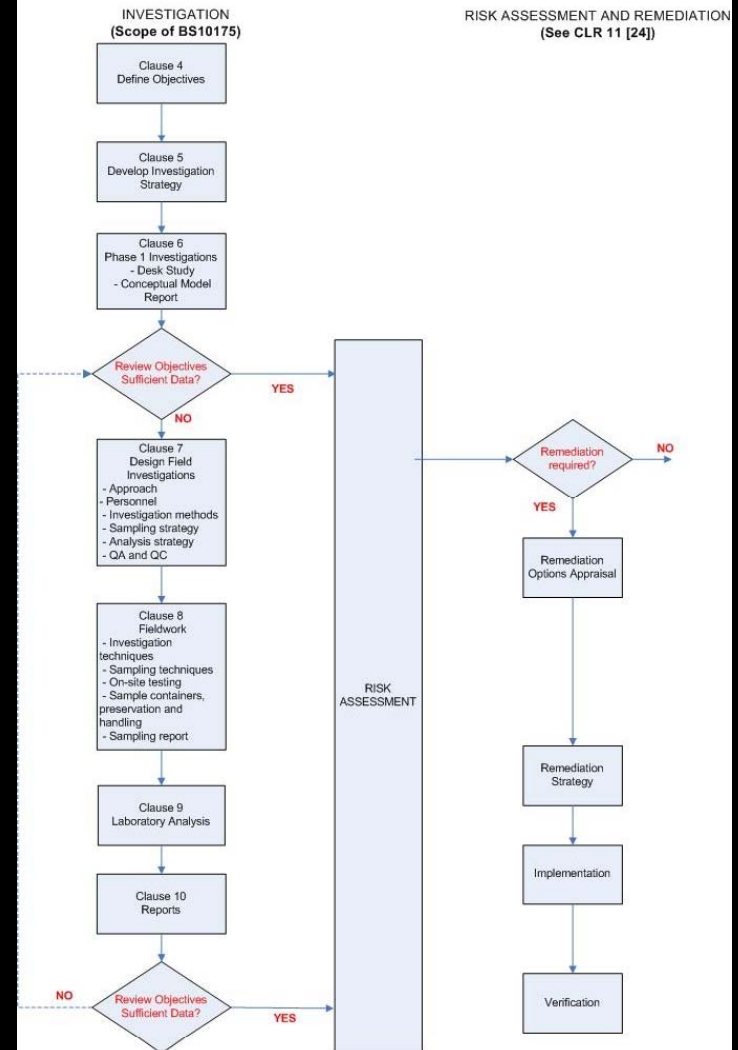
Relationship of BS10175 to CLR 11

Figure 1 The process of managing land contamination



Note: The process may apply to one or more pollutant linkages each of which may follow a different route. For some linkages, it may be possible to stop at an early stage – others will progress all the way through the process. The level of complexity of each stage may also vary and in some cases may be very simple.

MANAGEMENT OF CONTAMINATED LAND



BS10175 revision : Extent of Change

- **Scope & structure of standard unchanged.**
- **Much of guidance largely unchanged.**
- **Guidance and references updated and extended.**
- **Critical review of existing text.**
 - Does it represent current 'good practice'?
 - New guidance in this area?
 - New techniques available and in use as good practice?
 - Procedures, methods etc in existing standard are no longer good practice? (remove from standard in this revision)
 - Does guidance need revision, or additional tables or flow charts, to add clarity?

Extent of Change : Terminology

- **Differentiation between Recommendations (provisions) and Informative material**
- **Informative - Uses “should”**
- **“Can” = a possibility**
- **“May” = indicates permission to do something**
- **“Will” = verb avoided (it can be ambiguous and seems predictive)**
- **“Must” = Cannot be used**

BS10175 update : Some key areas of revision

- **References**
- **Terminology for investigation stages**
- **Sampling uncertainty – highlight issue, indicate actions**
- **Field testing – more wide use, additional equipment**
- **Update drilling methods**
- **Ground gas investigation techniques and requirements**
- **Update guidance on laboratory testing**

BS10175 update : How to contribute

- **Tell us now ; or**
- **Respond to public consultation**

- **General or Specific comments**

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Thank You

ARUP