

South West Contaminated Land Forum

Meeting 06/02/2017 – Exeter

Attendees:

Oliver Baldock (OB)

Aisha Bello-Dambatta (ABD)

Lisa Cook (LC)

James Langley (JL) - Chair

Alex Large (AL)

Miles Randall (MR)

Rod Smith (RS)

Frank Westcott (FW)

Ruth Willcox (RW) – Minutes

1/ Apologies: Received.

2/ Arsenic Protocol.

The following was discussed and agreed:

- Need for a summary document with a flow chart or decision tree and breakdown of key points, for instance:

Sources – natural, man-made and speciation

Fate and transport – bioavailability, bioaccessibility, environmental change

Toxicology – acute, chronic, inorganic/organic forms, separate assessment for dermal pathway, Arsenic in conjunction with other metals, Umen Factor

Assessing bioaccessibility

Use of screening values – including basis for C4SL's – HCV

Action RW

- Full discussion of the draft protocol then followed and it was agreed that the protocol would benefit from further organisation and/or addition by being broken down into smaller sections, each with a sub-heading. The following were suggested:

Toxicology:

Section would benefit from a review and summary of current research, including the Cornwall Study. PHE (Rebecca Close) and BGS input required.

Action ABD and LC

Statistics:

Why is statistical analysis important?

How to deal with statistical variation across a site.

Data analysis.

Accounting for variation.

Site Zoning.

Stockpile analysis

When to use spatial analysis tools and techniques

Further information – signpost to other documents

Action RS/Section Authors

Bioaccessibility:

What methods to use and when

Availability of tests

Relationship to leachability – testing

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Exposure:

Oral, inhalation and dermal pathways and use of different screening values – comparison table

Why HCV should be considered

Groundwater considerations

Action RS/Section Authors

Bioaccessibility:

Available methods

Testing – including what soil fraction should be tested

How and why to consider uncertainty
Speciating between organic and inorganic Arsenic
Use of reference material

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Remediation:

Move Arsenic Source Section to Section A
The relationship between source and remediation
Arsenic specific remediation methods
Capping and cover systems
Use of bioaccessibility testing
What is clean?
The role of subsoil
Signpost to stats section
Special considerations – including tree protection zones

Action RS/Section Authors

Validation:

Why is it important? Relevance. The importance of LA consultation and adequate supervision
Signpost to other guidance – Liverpool guidance suggested. NHBC (not R& D 66 as this is superceded).

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Composite Sampling – new section required.

Action AL

3/ Any other business:

Timescales for delivery of the above were discussed and it was provisionally agreed that headings would be added, sections revised and review undertaken by 06/03/2017

Need for external consultation was discussed and agreed. The following were put forward:

Keith Jones (by RS)

Louise - BGS (by AL)

Alan Wilson – HHRA (by AL)

John Rewerts (by RS)

Brian Alloway (by FW)

PHE (by RW)

4/ Date and time of next meeting:

09/05/2017 – Bodmin. Time TBC.