



Contaminated Land Statistical Calculator

This new version aids effective dissemination and take-up of national guidance on the use of statistical tests in the assessment of soil contamination data.

The national guidance aims to increase understanding of the role statistics play in quantifying the uncertainty around estimates of average contaminant concentrations. Stantec contributed to the development of this guidance on behalf of Defra and provided a software tool application for the statistical tests to support the local authorities of England and Wales on behalf of the Chartered Institute of Environmental Health (CIEH).

The Stantec Statistical Calculator provides the same core functionality as the tool provided to CIEH members, ensuring all answers obtained are the same as those that would be provided by a local authority.

The software is designed to answer the following questions:

- How does my site concentration data compare to a critical concentration or threshold of relevance to my site?
- Does my data provide confidence that concentrations are definitely below or above a critical concentration?
- Do I have enough samples to demonstrate that remediation is or is not required?

Guidance

The guidance sets out step-by-step procedures for conducting statistical tests when assessing soil data in the context of either the land use planning system, or Part 2A of the Environmental Protection Act 1990.

The statistics calculator will help users conduct these statistical techniques when comparing soil contamination data to a critical concentration as part of wider contaminated land risk assessment projects in both of these legal contexts.

Key Features

Series of linked Excel based, macro supported worksheets:

- Fast and efficient data processing.
- Several data sets can be analysed in the same workbook.
- Optimise your workflow.

V.2 Enhancements:

- Ability to handle an increased data set size (up to 20 contaminants, 500 samples).
- Powerful new function to allow statistical tests to be applied to discrete data subsets based on user defined criteria e.g. restricting tests to specific sample depths/ sampling areas/geological units.
- Automatic detection of the applicability of Grubb's Outlier Test for each database.

Pricing

- Statistics Calculator Tool – Single PC licence £449
- Statistics Calculator Upgrade 1.x to 2.x Standard £149
- Local Authority's please contact us for upgrade prices

Information

Full manual with examples on how to implement the tests in the national guidance.

Multiple copy discounts available to organisations for office based in one country.

For more information contact:



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