

PRACTICAL EXPERIENCE OF IN-SITU REMEDICATION

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Remediation of contaminated soil and groundwater on a practical level is a rather new business, and that applies most definitely for in-situ remediation. It has been done on a professional level outside the research laboratories for no more than a decade or so, so it is still a lot of pioneer work done to explore the possibilities with the different in-situ methods.

Some of the methods, like Soil Vapour Extraction (SVE), Air Sparging and Bioventing have matured enough to be viewed as proven technologies, with a lot of practical experience data to build on when new sites are considered for in-situ remediation. MB Envirotech have applied in-situ remediation using many different technologies in more than one hundred sites up to now, and there are some very important conclusions to be drawn from this, in order to get a good performance for new projects.

The presentation will briefly explain the different in-situ technologies, and then introduce to you two different sites. The first did cause some problem due to missing data, and misinterpretation of available data. The second did perform exactly according to plan. The difference was of course the data collection and interpretation procedures. A simple treatability test plan that will generate necessary design data will be shown.

The message of the presentation is the importance of correct information for a successful in-situ remediation. Thorough investigation prior to planning and design of the remediation is well worth its costs.