



Landfill aeration technology is gaining increasing interest worldwide for the reduction of gas and leachate emissions from old landfills, achieving environmentally sustainable conditions. In-situ aeration should be controlled in order to maintain water content, temperature, oxygen content etc. at optimum conditions. The results and experiences presented in this book are based on intensive laboratory scale investigations as well as extensive experiences from full-scale plants. Different approaches for landfill aeration worldwide are documented, including semi-aerobic landfills from Japan, low-pressure aeration in Europe practised at old landfills as well as aerated bioreactor landfills in the US. In addition, costs and the potential for greenhouse gas emission reduction are discussed.

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