

1. Record Nr.	UNISALENT0991000430359707536
Autore	Grant, Damian
Titolo	Realism / Damian Grant
Pubbl/distr/stampa	London : Methuen, 1970
Descrizione fisica	86 p. ; 19 cm
Collana	The critical idiom ; 9
Disciplina	823
Soggetti	Realismo (letteratura) - Gran Bretagna
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910956160303321
Autore	Wilson Steve (Civil engineer)
Titolo	Ground gas handbook / / Steve Wilson, Geoff Card and Sarah Haines
Pubbl/distr/stampa	Dunbeath, Scotland, : Whittles Pub. Boca Raton, Fla., : CRC Press, 2009
ISBN	9781680153934 1680153935 9781904445562 190444556X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (227 p.)
Altri autori (Persone)	CardGeoff HainesSarah
Disciplina	628.53
Soggetti	Landfill gases Waste gases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.

Intro -- Contents -- Acknowledgements -- Foreword -- Glossary -- Introduction -- 1.1 Landfill gas incidents -- 1.2 Are other sources of ground gas a risk? -- 1.3 Radon -- Regulations and policy guidance -- 2.1 Planning Policy Statement 23 -- 2.2 Environment Agency policy on development within 250 m of a landfill -- 2.3 Building Regulations Approved Document C (revised edition) -- 2.4 Part 2A of the Environmental Protection Act -- 2.5 Legal requirements for maintenance -- 2.6 Climate change -- 2.7 Waste management -- Sources and properties of ground gases and vapours -- 3.1 Sources of ground gas -- 3.2 History of landfilling -- 3.3 Ground gas and vapour properties -- Gas and vapour generation and migration -- 4.1 Methane and carbon dioxide generation -- 4.2 Estimating the volume of methane and carbon dioxide that is generated -- 4.3 Generation of minor component gases (trace gases) -- 4.4 Vapour production -- 4.5 Gas and vapour migration -- 4.6 Modelling gas and vapour migration -- 4.7 Estimating surface emission rates -- Site investigation and monitoring -- 5.1 Strategy -- 5.2 General guidance -- 5.3 Measuring ground gas -- 5.4 Measuring vapours -- 5.5 Monitoring wells -- 5.6 Monitoring protocols -- 5.7 Flux boxes or chambers -- 5.8 Flame ionisation detectors (FID) -- 5.9 Specialist testing -- 5.10 Future directions: continuous monitoring -- Assessment of results -- 6.1 General considerations -- 6.2 Conceptual model -- 6.3 Analysis of ground gas data -- 6.4 Analysis of vapour data -- 6.5 Tier 1 risk assessment: Is there a linkage? -- 6.6 Tier 2 risk assessment: qualitative assessment for methane and carbon dioxide -- 6.7 Screening process -- 6.8 Tier 3 risk assessment: quantitative assessment for methane and carbon dioxide -- 6.9 Assessments for house extensions -- 6.10 Putting ground gas risk in context. 6.12 Tier 2 and 3 assessment of vapours and trace gases -- Methods of gas protection -- 7.1 In ground vertical barriers or venting systems -- 7.2 Building protection -- 7.3 Floor slabs and gas-resistant membranes -- 7.4 Passive ventilation below buildings -- 7.5 Active venting below buildings -- 7.6 Positive pressurisation below buildings -- 7.7 Gas monitoring and alarm systems -- Design of protection measures -- 8.1 Defining the scope of gas protection -- 8.2 Low-rise housing with gardens (Situation B in CIRIA C659/665) -- 8.3 All other types of development (Situation A in CIRIA C659/665) -- 8.4 British Standard BS 8485 -- 8.5 Key points for design of gas protection systems -- 8.6 Detailed analysis of venting and positive pressurisation systems -- Construction and validation -- 9.1 Design report -- 9.2 Common problems with installation -- 9.3 Validation -- Maintenance -- Appendix A -- A1 Gas monitoring protocol -- Appendix B -- Appendix C -- Appendix D -- Bibliography -- Index.

This handbook provides practical guidance on assessing ground gas risk and the design of appropriate protection measures. It discusses the assessment of ground gas for Part II A sites and also includes information on the assessment of vapours. It provides information on gas generation and the analysis of gas flows in the ground, including the design of gas protection systems. It explains how to use the most recent assessment methods published by CIRICA, NHBC and BSI and highlights the differences between the various methods. It includes advice and recommendations about the validation and testing of protection systems as they are installed. Worked examples help explain the concepts and calculations.