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| Nota di contenuto | Front Cover; Table of contents; List of figures; List of tables; Preface; Acknowledgement; 1. Landfill gas to energy: International status and prospects; 2. Planning and design of LFG recovery system; 3. Landfill gas modeling; 4. LFG monitoring and economic feasibility evaluation; 5. Landfill gas treatment technologies; 6. Landfill gas utilization technologies; 7. Remediation of landfill sites; 8. Landfill gas case studies; 9. Challenges in utilization of LFG in developing countries; Appendix A: Format for monitoring of LFG; Appendix B: Format for conducting waste audit at a landfill site Appendix C: Format for waste characterization Appendix D: Useful websites; Appendix E: Glossary of terms in landfill gas management; Appendix F: List of abbreviations; Appendix G: Template for country-specific LFG action plan; Appendix H: LFG calculation worksheet; Appendix I: List of LFG to PNG/CNG Technology Providers |
| Sommario/riassunto | A comprehensive description of technologies available for converting old landfills to energy producers, and capturing the green house gases |

emitting from them. Its key assets are the case studies of successful landfill gas (LFG) recovery for energy projects around the world, and that it highlights why this has not been done in many more landfills around the world. Technical, financial, and social challenges facing the conversion of landfills to energy producers will be detailed, and solutions offered to either reclaim the landfill for recovering useful land (as is planned in dense urban areas of India) or close them properly while recovering the methane for energy use. Intended as a guide with background information and instructive tools to educate, guide and establish a basis for decision-making, technical feasibility assessment, economic assessment, and market evaluation of all aspects necessary for developing successful LFG management projects. --
A comprehensive description of technologies available for converting old landfills to energy producers, and capturing the green house gases emitting from them--
