

1. Record Nr.	UNINA9910246658603321
Titolo	Report on Americans with Disabilities Act inspections relating to public services and accommodations
Pubbl/distr/stampa	[Washington, D.C.] : , : Office of Compliance, , 2007-
Descrizione fisica	1 online resource (5 volumes) : color illustrations
Soggetti	Public buildings - Barrier-free design - Washington (D.C.) - Evaluation Office buildings - Barrier-free design - Washington (D.C.) - Evaluation Building inspection - Washington (D.C.) People with disabilities - Health risk assessment - Washington (D.C.) - Evaluation Discrimination against people with disabilities - Washington (D.C.) - Prevention Building inspection Periodicals. Washington (D.C.)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	"Section 210(f) of the Congressional Accountability Act (CAA) requires the Office of Compliance to conduct biennial inspections of the Legislative Branch to ascertain compliance with the Americans with Disabilities Act (ADA) and report its findings to Congress"--Serial homepage.

2. Record Nr.	UNINA9910797404603321
Titolo	Compendium of hydrogen energy . Volume 2 Hydrogen storage, distribution and infrastructure // edited by Ram B. Gupta, Angelo Basile and T. Nejat Veziroglu
Pubbl/distr/stampa	Cambridge, England : , : Woodhead Publishing, , 2016 2016
ISBN	1-78242-384-2
Descrizione fisica	1 online resource (438 p.)
Collana	Woodhead Publishing Series in Energy ; ; Number 84
Disciplina	665.81
Soggetti	Hydrogen as fuel
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Front Cover; Compendium of Hydrogen Energy: Volume 2: Hydrogen Storage, Distribution and Infrastructure; Copyright; Contents; List of contributors; Woodhead Publishing Series in Energy; Part One: Hydrogen Storage in Pure Form; Chapter 1: Introduction to hydrogen storage; 1.1. Introduction; 1.2. Physical storage; 1.2.1. Compressed hydrogen; 1.2.2. Cold-compressed hydrogen; 1.2.3. Liquid hydrogen; 1.2.4. Cryo-compressed hydrogen; 1.3. Material-based hydrogen storage; 1.3.1. Transition metal hydrides; 1.3.2. Complex hydrides; 1.3.3. Chemical hydrogen storage; 1.3.4. Hydrogen sorbents; References Chapter 2: Hydrogen liquefaction and liquid hydrogen storage2.1. Introduction: Why liquefying hydrogen?; 2.2. Basics of cryogenic liquefaction; 2.2.1. Fundamental cooling effects; 2.2.2. Fundamental liquefaction cycles; 2.3. Hydrogen thermodynamic properties at ambient and low temperatures; 2.3.1. Elemental hydrogen; 2.3.2. Molecular hydrogen; 2.3.3. Modifications of molecular hydrogen; 2.3.4. Thermodynamics of molecular hydrogen modifications; 2.4. Large-scale hydrogen liquefaction and storage; 2.4.1. Today's technology; 2.4.2. Future technologies; 2.5. Advantages and disadvantages 2.6. Current uses of liquid hydrogen2.7. Sources of further information and advice; Acknowledgments; References; Chapter 3: Slush hydrogen

production, storage, and transportation; 3.1. Introduction: What is slush hydrogen?; 3.2. Hydrogen energy system using slush hydrogen; 3.3. Thermophysical properties of slush hydrogen; 3.4. Process of producing and storing slush hydrogen; 3.4.1. Hydrogen liquefaction by magnetic refrigeration; 3.4.2. Slush hydrogen production; 3.5. Density and mass flow meters for slush hydrogen; 3.5.1. Density meter; 3.5.2. Mass flow meter
3.6. Advantages and disadvantages of transporting slush hydrogen via pipeline
3.6.1. Transfer pump for slush hydrogen; 3.6.2. Pressure drop and heat transfer in pipe flow; 3.6.3. Pressure drop in flow restrictions; 3.6.4. Pressure drop in corrugated pipes; 3.7. Uses of stored slush and liquid hydrogen; 3.7.1. Nucleate pool boiling heat transfer to slush and liquid hydrogen; 3.8. Conclusions; 3.9. Future trends; 3.10. Sources of future information and advice; Appendix A. Production; Appendix B. Flow and heat transfer; Appendix C. Measurement instrumentation; References
Chapter 4: Underground and pipeline hydrogen storage
4.1. Underground hydrogen storage as an element of energy cycle; 4.1.1. Industrial needs in underground hydrogen storage (UHS); 4.1.2. Conversion of hydrogen into other forms of energy and vice versa; 4.1.3. Four principle types of UHS; 4.1.4. Storage in salt caverns and porous media; 4.2. Scientific problems related to UHS; 4.2.1. State of the art; 4.2.2. Recent research throughout the world; 4.3. Biochemical transformations of underground hydrogen; 4.3.1. Respiratory and constructive metabolism of microorganisms
4.3.2. Four kinds of hydrogenotrophic biotic reactions

Sommario/riassunto

Compendium of Hydrogen Energy, Volume 2: Hydrogen Storage, Distribution and Infrastructure focuses on the storage and transmission of hydrogen. As many experts believe the hydrogen economy will, at some point, replace the fossil fuel economy as the primary source of the world's energy, this book details hydrogen storage in pure form, including chapters on hydrogen liquefaction, slush production, as well as underground and pipeline storage. Other sections in the book explore physical and chemical storage, including environmentally sustainable methods of hydrogen production from water, with
