1. Record Nr. UNINA9910790703303321 Autore Sinha Sunil K. **Titolo** Predicting the remaining economic life of wastewater pipes . Phase 1 Development of standard data structure to support wastewater pipe condition and performance prediction / / Suniel K. Sinha, Thiti Angkasuwansiri, Richard Thomasson Alexandria, Virginia : ; London, England : , : Water Environment Pubbl/distr/stampa Research Foundation:,: Co-published by IWA Publishing,, 2010 ©2010 **ISBN** 1-78040-331-3 1-84339-333-6 Descrizione fisica 1 online resource (120 p.) Collana **WERF Report Series** 363.6 Disciplina Soggetti Sewerage - United States - Management Sanitary engineering - United States Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia At the head of title: SAM3R06. Note generali Includes bibliographical references. Nota di bibliografia ""Cover""; ""Copyright""; ""Table of Contents""; ""Acknowledgments""; Nota di contenuto ""Abstract and Benefits""; ""List of Tables""; ""List of Figures""; ""List of Appendices""; ""List of Acronyms and Abbreviations""; ""Executive Summary": ""Chapter 1.0: Introduction": ""1.1 Summary Description of WERF Research Tracks""; ""1.2 Track 4 Virginia Tech Research Progress""; ""Chapter 2.0: Background""; ""2.1 Wastewater Infrastructure Asset Management""; ""2.1.1 Collection and Transmission Systems""; ""2.1.2 Wastewater Treatment System""; ""2.1.3 Sludge Management System""; ""2.1.4 Reuse/Recycling System"" ""2.2 Wastewater Pipe Infrastructure System"""2.2.1 Overview of U.S. Wastewater Collection and Transmission Systems": ""2.2.2 Wastewater Pipe Design and Installation""; ""2.2.3 Wastewater Pipe Condition Assessment""; ""Chapter 3.0: Wastewater Pipe Failure Modes and Mechanisms""; ""3.1 Description of Pipe Life Cycle""; ""3.1.1 Life Cycle of Pipe by Material""; ""3.2 Description of Failure Modes and Mechanisms""; ""3.2.1 Concrete Wastewater Pipe Failure Modes and Mechanisms""; ""3.2.2 Ductile Iron Wastewater Pipe Failure Modes and

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