



VOL.28 NO.10

ISSN1000-4602

CN12-1073/TU

中国给水排水

®

著名商标

(ZHONGGUO JISHUI PAISHUI)

CHINA WATER & WASTEWATER

上海乔治费歇尔亚大塑料管件制品有限公司，是中外合资企业，上海市高新技术企业、上海市创新型企业，亚大集团旗下分子公司之一，专业从事工程塑料管件制品的研发、生产、销售及其服务；产品规格涵盖Φ20~1200 mm配套齐全的聚乙烯(PE)管件和施工机具。公司定位于亚太区塑料管件系统首选供应商，秉承“客户至上、反应迅速、说到做到”的理念，坚持“塑造完美，奉献社会”的质量方针，为市政燃气和自来水工业提供完善的系统解决方案，不断满足多样化的客户需求。

地址：上海市青浦区华志路1488号 邮编：201708 电话：021-51651655 传真：021-51651678

ISSN 1000-4602



住房和城乡建设部主管

主办 中国市政工程华北设计研究总院
国家城市给水排水工程技术研究中心

万方数据

10
2012

工程应用篇

目 次

广州市西江引水工程专栏

西江引水工程盾构输水隧洞衬砌形式的选择与设计 温晓英,程子悦,李琛,等(1)
述评与讨论

- 超滤膜的零污染通量及其在城市水处理工艺中的应用 李圭白,梁恒(5)
“十二五”时期新疆城镇排水设施规划建设需求分析 王新,任涛,蔡德智,等(8)
X市供水系统规划及问题探讨 孙建华,龙腾锐,颜文涛,等(11)
郑州中心城区污水厂的污泥处理处置规划及工程建设 高陆令(16)
镇江市主城区污泥处理处置规划研究 袁绍春,张智,王敏,等(19)
影响污泥深度机械压力脱水因素的探讨 王绪科,朱英,邹艺娜,等(23)
关于提高管网平差工作效率与准确度的几点思考 朱寅春(26)
建筑给水排水设计标准的应用分析 黄玉珠,王峰(29)

热 点 专 题(太湖流域水污染防治)

无锡主城区污水厂升级改造脱氮除磷与污泥产量分析 徐瑛,徐祥,陈宇,等(32)
设计经验

- 大型污水处理厂改扩建工程关键节点的设计 彭弘(36)
某酒店客房喷头布置的设计探讨 邹建,李勇君(42)
初期雨水调蓄池在城市排水系统中的应用 王肖军(45)
某城镇污水厂奥贝尔氧化沟工艺的设计与运行 陈慧禾,刘天顺,邬素艳(48)
北京语言大学综合楼消防给水系统设计探讨 刘洪海,王品才,石玲,等(51)
AP1000 核电厂常规岛消防栓和灭火器设计标准分析 郑冠军,贲岳,马新红(55)
串联式双层平流沉淀池的工艺设计 常鹏飞,陈金荣,曹雪梅,等(59)

工 程 实 例

- 全地下污水厂特色结构布置及经济性分析 曹卫峰,王海波,赵鹏,等(63)
油田采出液除铁用于配注聚合物工程改造 于永辉,孙承林,黄津,等(66)
冷轧废水深度处理及回用工程 张金平,周欢,张章,等(70)
猫仔岭水厂强化常规处理工艺的技术改造 李京会(73)
垃圾焚烧发电厂垃圾渗滤液处理工程实例 肖诚斌,庞保蕾,任艳双,等(77)
基于 IP VPN 的城市污水泵站远程监控系统 徐益挺,黄平捷,张光新,等(80)
热电厂循环水系统水处理技术的应用 陈彦江(83)
山东桓台县污水处理厂提标改造工程实践 王领法,陈凡阵,顾正领,等(86)

节 水 与 回 用

湘钢工农闸废水再生回用工程的设计与运行 李洪峰(90)

分 析 与 监 测

- 高效液相色谱法测定水体中的痕量残杀威 陈忠林,何雷,沈吉敏,等(93)
固相萃取/气相色谱/质谱法测定饮用水中毒死蜱 王莹,刘涛利,张建柱,等(96)

节 能 减 排

某 BOT 污水处理厂的电耗分析与控制 李文英,黄廷林,李辰(99)

运 行 与 管 理

MBR 工艺应用于城市污水处理的技术风险 陈琪,杨琦(102)

施 工 与 监 理

高地下水位高透水地质条件下的顶管施工技术 周占学,李永利,马国庆(105)

书讯:(15)、(44) 版权声明:(22) 征订启事:(41)

ENGINEERING APPLICATION EDITION

CONTENTS

XIJIANG RIVER WATER DIVERSION PROJECT TOPIC

- Selection and Design of Shield Tunnel Lining in Guangzhou Xijiang Water Diversion Project WEN Xiao-ying, et al. (1)
REVIEWS AND DISCUSSIONS

- Zero Irreversible Flux for Ultrafiltration and Its Application in Water Treatment Process LI Gui-bai, et al. (5)
Demand Analysis for Planning and Construction of Drainage Facilities in Towns of Xinjiang in Twelfth Five-Year Plan WANG Xin, et al. (8)
Discussion on Water Supply System Planning and Problems in a City SUN Jian-hua, et al. (11)
Planning and Project Construction for Treatment and Disposal of Sludge from WWTPs in Central Area of Zhengzhou City GAO Lu-ling (16)
Planning Study on Sludge Treatment and Disposal in Zhenjiang Main City Zone YUAN Shao-chun, et al. (19)
Discussion on Factors Affecting Advanced Mechanical Sludge Dewatering WANG Xu-ke, et al. (23)
Thinking about Improving Efficiency and Accuracy of Pipe Network Adjustment ZHU Yin-chun (26)
Analysis on Application of Design Standards for Building Water Supply and Drainage HUANG Yu-zhu, et al. (29)

HOT TOPIC(Pollution Control in Taihu Lake Basin)

- Analysis of Nitrogen and Phosphorus Removal and Sludge Yield in Upgrading and Reconstruction of WWTPs in Wuxi Main City Zone XU Ying, et al. (32)

DESIGN EXPERIENCES

- Design of Key Nodes in Reconstruction and Extension Construction Project of Large Sewage Treatment Plant PENG Hong (36)
Discussion on Design of Sprinkler Arrangement in Hotel Rooms ZOU Jian, et al. (42)
Application of Initial Rainwater Storage Tanks in Urban Drainage System WANG Xiao-jun (45)
Design and Operation of Orbital Oxidation Ditch Process in Municipal Sewage Treatment Plant CHEN Hui-he, et al. (48)
Discussion on Design of Fire Water Supply System for Multiple-use Building of Beijing Language and Culture University LIU Hong-hai, et al. (51)
Analysis on Design Standards for Fire Hydrants and Fire Extinguishers in AP1000 Nuclear Power Plant ZHENG Guan-jun, et al. (55)
Process Design of Series Double Layer Horizontal Flow Sedimentation Tank CHANG Peng-fei, et al. (59)

PROJECT CASES

- Characteristic Structure Layout and Economic Analysis of Fully Underground Wastewater Treatment Plant CAO Wei-feng, et al. (63)
Reconstruction Project of Iron Removal Process from Oilfield Produced Wastewater for Polymer Injection YU Yong-hui, et al. (66)
Advanced Treatment of Cold-rolling Wastewater from Laiwu Steel Group and Reuse Engineering ZHANG Jin-ping, et al. (70)
Technical Reconstruction of Enhanced Conventional Treatment Process in Maozailing Waterworks LI Jing-hui (73)
Landfill Leachate Treatment Project in Refuse Incineration Power Plant XIAO Cheng-bin, et al. (77)
Remote Monitoring and Control System for Urban Sewage Pumping Station Based on IP VPN Technology XU Yi-ting, et al. (80)
Application of Water Treatment Technology to Circulating Water System in Thermal Power Plant CHEN Yan-jiang (83)
Upgrading and Retrofitting Practice of WWTP in Shandong Huantai County WANG Ling-fa, et al. (86)

WATER CONSERVATION AND REUSE

- Design and Operation of Gongnongzha Wastewater Reuse Project of Xiangtan Iron and Steel Co. Ltd. LI Hong-feng (90)

ANALYSIS AND MONITORING

- Determination of Trace Propoxur in Environmental Water Body by High Performance Liquid Chromatography CHEN Zhong-lin, et al. (93)
Determination of Chlorpyrifos in Drinking Water by Solid-phase Extraction and Gas Chromatography-Mass Spectrometry WANG Ying, et al. (96)

ENERGY SAVING AND EMISSION REDUCTION

- Analysis and Control of Power Consumption in BOT Wastewater Treatment Plant LI Wen-ying, et al. (99)

OPERATION AND MANAGEMENT

- Technical Risks of MBR Process for Municipal Wastewater Treatment CHEN Jun, et al. (102)

CONSTRUCTION AND SUPERVISION

- Pipe Jacking Construction in Highly Phreatic and Pervious Soil ZHOU Zhan-xue, et al. (105)