

工程应用篇

目 次

广州市西江引水工程专栏

- 浅谈西江引水工程的顶管设计与施工 陈希(1)
西江引水工程综合自动化系统总体设计 刘振汗(5)

述评与讨论

- 城市初期雨水和初期冲刷问题剖析 车伍,张伟,李俊奇(9)
余姚市域污水收集系统规划与实施 刘前军,周胜昔(15)
污水厂特许经营合同中运营监管应注意的问题分析 边军,卓珊慧,谢勤,等(18)
煤化工企业突发性水污染事件应急处理系统 王丽彩,马文成,韩洪军,等(23)
压力流虹吸式屋面雨水排水系统的设计与应用探讨 潘俊杰,何蓉(27)
含氮消毒副产物卤代酰胺的生成特性与控制研究进展 李冕,徐斌,夏圣骥,等(31)
CAN总线应用于污水处理厂控制系统的研究 高杰(35)

热点专题(太湖流域水污染治理)

- 江南某小城镇污水处理厂工程设计及运行效果 刘锋,卢斌,杨海亮,等(38)

设计经验

- 广州南沙水厂的工程设计及特点 李亮,周建忠,汪麟,等(41)
数据中心建筑消防灭火系统的选型 杨琦,胡峰,董浩,等(46)
印染废水深度处理并回用的应用研究 华卫,於胜洪,朱加征(50)
水下隧洞式长江取水头部的设计与施工 夏汀(52)
京沪高铁无锡东站区间雨水泵站工艺设计 华伟,冯成军,蒋岚岚,等(56)
石家庄供水集团三水厂(加压泵站)改造及其设计 曹彦霞(60)
广州市疾控中心周边道路综合管沟消防设计 丛宝华(63)
呼和浩特市章盖营污水处理厂工程设计与运行 曹建军,延克军,贾俊清,等(66)

工程实例

- USR/UASB好氧工艺处理酒糟废液及沼气高值利用 刘建广,张春阳,张广兰,等(69)
多段多级除磷脱氮工艺用于污水厂的升级改造 赵云,王延东,邹仲勋(72)
EGSB/生物接触氧化工艺处理啤酒废水 王笑冬,崔芹芹,薛建良,等(75)
UASB-A/O工艺处理马铃薯淀粉废水 张秀明,韩雪,陈志强(78)
涡凹气浮与内循环BAF组合工艺处理炼油废水 钟华文,林培喜,曾书祥(81)
碳纤维复合材料制品生产废水处理及回用 焦卫东(84)

节水与回用

- 鄂钢废水的无害化处理与阶梯利用 高千才,宋丽萍(87)

分析与监测

- 液相色谱串联质谱法测定饮用水体中抗生素残留 吴维,赵新华,刘旭(91)

节能减排

- 宝鸡市某污水处理厂节能改造工程实例 赵国志,余涛(96)

运行与管理

- 湛江霞山污水处理厂CAST工艺的启动及调试 邹嘉乐,张胜海,戚敏捷,等(98)

- 石井污水处理厂菌种培养方案选择与实践 余建恒,邓伟聪,夏耿东,等(102)

施工与监理

- 双排顶管工程穿越京杭运河应考虑的因素 李进(105)

企业动态:(14),(22),(108) 版权声明:(68)

ENGINEERING APPLICATION EDITION

CONTENTS

XIJIANG RIVER WATER DIVERSION PROJECT TOPIC

- Discussion on Design and Construction of Pipe Jacking in Xijiang River Water Diversion Project CHEN Xi (1)
General Design of Integrated Automation System for Xijiang River Water Diversion Project LIU Zhen-han (5)

REVIEWS AND DISCUSSIONS

- Analysis of Urban Initial Rainwater and First Flush CHE Wu, et al. (9)
Planning and Implementation of Regional Wastewater Collection System of Yuyao City LIU Qian-jun, et al. (15)
Analysis of Operational Supervision Issues in Concession Contracts of Sewage Treatment Plants BIAN Jun, et al. (18)
Emergency Response System for Sudden Water Pollution Event in Coal Chemical Industry WANG Li-cai, et al. (23)
Discussion on Design and Application of Siphon Roof Rainwater Drainage System PAN Jun-jie, et al. (27)
State-of-the-Art of Formation and Control of Nitrogenous Disinfection By-products: Haloamides LI Mian, et al. (31)
Application of CAN-bus in Control System of Wastewater Treatment Plant GAO Jie (35)

HOT TOPIC(Pollution Control in Taihu Lake Basin)

- Project Design and Operation Efficiency of a Small Town Sewage Treatment Plant in South of Yangtze River LIU Feng, et al. (38)

DESIGN EXPERIENCES

- Engineering Design and Characteristic of Guangzhou Nansha Waterworks LI Liang, et al. (41)
Choice of Fire Extinguishing System in Data Centre Building YANG Qi, et al. (46)
Application Research on Advanced Treatment and Reuse of Printing and Dyeing Wastewater HUA Wei, et al. (50)
Design and Construction of Tunnel-type Underwater Intake Head in Yangtze River XIA Ting (52)
Process Design of Rainwater Pumping Station of Wuxi East Station for Beijing-Shanghai Express Railway HUA Wei, et al. (56)
Technical Reconstruction of Third Waterworks (Southwest Boosting Station) of Shijiazhuang Water Supply Group CAO Yan-xia (60)

- Fire Design of Utility Tunnel for Surrounding Roads of Guangzhou Center for Disease Control and Prevention CONG Bao-hua (63)

- Project Design of Zhanggaiying Wastewater Treatment Plant in Hohhot City CAO Jian-jun, et al. (66)

PROJECT CASES

- Treatment of Alcohol Wastewater by USR/UASB/Aerobic Process and High Value Use of Biogas LIU Jian-guang, et al. (69)
Application of AMAO Process for Nitrogen and Phosphorus Removal in Upgrading and Retrofitting of WWTP ZHAO Yun, et al. (72)
Application of EGSB/Biological Contact Oxidation Process for Treatment of Beer Wastewater WANG Xiao-dong, et al. (75)
Combined Process of UASB and A/O for Treatment of Potato Starch Wastewater ZHANG Xiu-ming, et al. (78)
Treatment of Refinery Wastewater by Cavitation Air Flotation/Internal Circulation BAF Process ZHONG Hua-wen, et al. (81)
Treatment and Reuse of Wastewater from Production of Carbon Fiber Composites JIAO Wei-dong (84)

WATER CONSERVATION AND REUSE

- Harmless Treatment and Step Utilization of Wastewater from Echeng Iron and Steel Co. Ltd. GAO Qian-cai, et al. (87)

ANALYSIS AND MONITORING

- Determination of Antibiotics Residues in Drinking Water by LC-MS/MS WU Wei, et al. (91)

ENERGY SAVING AND EMISSION REDUCTION

- Energy Saving Reconstruction of a Wastewater Treatment Plant in Baoji City ZHAO Guo-zhi, et al. (96)

OPERATION AND MANAGEMENT

- Start-up and Commissioning of CAST Process in Zhanjiang Xiaoshan WWTP ZOU Jia-le, et al. (98)
Selection and Practice of Bacteria Culture in Shijingshawan Sewage Treatment Plant YU Jian-heng, et al. (102)

CONSTRUCTION AND SUPERVISION

- Factors Needing Consideration for Beijing-Hangzhou Grand Canal Crossing Project with Double Row Pipe Jacking LI Jin (105)