

工程应用篇

目次

广州市西江引水工程专栏

- 过河管基槽开挖及基础处理的技术要点 李志坚(1)
广州市西江引水工程管道穿越北江方案设计优化 周炜峙,陈位洪,陈伟雄(5)

述评与讨论

- 水质模型在武汉水环境管理中的应用 汪常青,李 燕(9)
污水厂生物除臭设计中存在的问题探讨 郑理慎,陈志平,王 薇,等(14)
北方地区钢结构厂房屋面雨水渗漏原因及对策 谭立国,刘宇红,郭春艳,等(18)
城市污水处理厂中央控制系统的建设与管理 王树林,苏 忠,吴 为,等(23)
城镇污水厂工艺设计和设备选型应注意的问题 李凌云(27)
建筑垃圾受纳场雨污分流系统的措施探讨 林伯伟(31)

热点专题(太湖流域水污染治理)

- Denite®深床反硝化滤池在污水厂升级改造中的应用 杨兴豹,李 激,阚薇莉,等(34)

设计经验

- 水解酸化/改良 Carrousel 工艺用于纺织印染废水处理 韦帮森(37)
中新天津生态城的生态设计 李曦淳,李 鹏(41)
扬州第五水厂一期工程实例 周 平,郑全兴(45)
组合人工湿地应用于农村生活污水处理工程 朱 健,王 平,罗文连,等(49)
天津市北塘地区多功能雨水泵站的设计 张鸿斌(52)
特立尼达和多巴哥西班牙港国家艺术中心雨水系统设计 张留霞,胡 明(55)
绍兴污水处理厂污泥处理工程改扩建设计 朱五星(59)

工程实例

- 东莞运河樟村水质净化厂污泥处理系统技术改造 胡新立,陈晓安,余 军,等(63)
青岛李村河污水厂升级改造工程设计及运行 段存礼,顾瑞环,程俊涛,等(66)
水解/接触氧化/气浮工艺处理印染废水 李亚峰,谢新立,秦亚敏(71)
UASB/吹脱塔/SBR/纳滤工艺处理生活垃圾渗滤液 赵群英,王俞淑(74)
锦州港污水处理厂改扩建工程设计实例 田红英,张继辉,师玉成,等(77)
混凝/水解/两级缺氧好氧工艺处理异丙胺废水 王久龙,陈 刚,胡相华,等(80)
粪便消化液处理工程的改造 严雪梅,胡开林,马勋静,等(83)

节水与回用

- 云南省博物馆的建筑节水与水资源利用 邓小一(86)

分析与监测

- 液液微萃取/气相色谱法速检水中四种酰胺类除草剂 王 鹤,陈忠林,沈吉敏,等(90)
顶空固相微萃取-气相色谱/质谱法测定水中藻源臭味物质 陈克云,于建伟,孙道林,等(94)

运行与管理

- 两种脱氮除磷污水处理工艺的效果分析 沈连峰,胡宗泰,王 婷,等(99)

施工与监理

- 特殊地形下污水泵站基坑支护与施工 刘 刚,台运好(102)

技术交流

- 给水排水构筑物裂缝的成因分析与预防措施 胡汝兰(105)
变频技术在株洲铁路水厂的应用 罗瑞忠(107)

更正:(93) 版权声明:(98)

ENGINEERING APPLICATION EDITION

CONTENTS

XIJIANG RIVER WATER DIVERSION PROJECT TOPIC

- Technical Key Points of Cross River Pipeline Trench Excavation and Foundation Treatment LI Zhi-jian(1)
Optimization Design of Beijiang River Crossing in Guangzhou Xijiang River Diversion Project ZHOU Wei-zhi, *et al.* (5)

REVIEWS AND DISCUSSIONS

- Application of Water Quality Model in Water Environmental Management in Wuhan WANG Chang-qing, *et al.* (9)
Discussion on Existing Problems in Design of Bio-deodorization System in Sewage Treatment Plants
..... ZHENG Li-shen, *et al.* (14)
Causes and Countermeasures for Rainwater Penetration through Roofs of Steel Structure Factory Buildings in
Northern Region TAN Li-guo, *et al.* (18)
Construction and Management of Central Control System for WWTP WANG Shu-lin, *et al.* (23)
Several Problems Needing Attention in Process Design and Equipment Selection in WWTP LI Ling-yun(27)
Discussion on Separate System of Rainwater and Sewage in Construction Waste Landfill Site LIN Bo-wei(31)

HOT TOPIC(Pollution Control in Taihu Lake Basin)

- Application of Denite[®] Deep-bed Denitrification Filter in Upgrading and Retrofitting of WWTP YANG Xing-bao, *et al.* (34)

DESIGN EXPERIENCES

- Combined Process of Hydrolysis Acidification and Modified Carousel for Treatment of Textile Printing and Dyeing
Wastewater WEI Bang-sen(37)
Ecological Design of Sino-Singapore Tianjin Eco-city LI Xi-chun, *et al.* (41)
Case of First-phase Project of Yangzhou Fifth Waterworks ZHOU Ping, *et al.* (45)
Application of Hybrid Constructed Wetland to Treatment of Rural Domestic Sewage ZHU Jian, *et al.* (49)
Design of Multifunctional Storm Water Pumping Station in Tianjin Beitang Area ZHANG Hong-bin(52)
Design of Outdoor Rainwater System for National Academy for Performing Arts in Port of Spain, Trinidad
and Tobago ZHANG Liu-xia, *et al.* (55)
Reconstruction and Extension Design of Sludge Treatment Project of Shaoxing Wastewater Treatment Plant ZHU Wu-xing(59)

PROJECT CASES

- Technical Reconstruction of Sludge Treatment System in Dongguan Canal Zhongcun Water Purification Plant
..... HU Xin-li, *et al.* (63)
Design and Operation of Upgrading and Retrofitting Project of Qingdao Licunhe WWTP DUAN Cun-li, *et al.* (66)
Treatment of Printing and Dyeing Wastewater by Hydrolysis/Contact Oxidation/Air Floatation LI Ya-feng, *et al.* (71)
UASB/Stripper/SBR/NF for Treatment of Domestic Landfill Leachate ZHAO Qun-ying, *et al.* (74)
Design of Upgrading and Retrofitting Project of Jinzhou Port Wastewater Treatment Plant TIAN Hong-ying, *et al.* (77)
Coagulation and Sedimentation/Hydrolysis-acidification/Two-stage Anoxic-aerobic Process for Treatment
of Synthetic Isopropylamine Wastewater WANG Jiu-long, *et al.* (80)
Reconstruction of Digested Fecal Sewage Treatment Process YAN Xue-mei, *et al.* (83)

WATER CONSERVATION AND REUSE

- Water Saving and Water Resource Use in Yunnan Provincial Museum DENG Xiao-yi(86)

ANALYSIS AND MONITORING

- Rapid Determination of Four Acetanilide Herbicides in Water by Liquid-Liquid Micro-extraction and Gas
Chromatography WANG He, *et al.* (90)
Analysis of Algal Odor Compounds in Water Samples by Headspace Solid-phase Microextraction Coupled
with GC/MS CHEN Ke-yun, *et al.* (94)

OPERATION AND MANAGEMENT

- Efficiency Analysis of Two Sewage Treatment Processes for Nitrogen and Phosphorus Removal SHEN Lian-feng, *et al.* (99)

CONSTRUCTION AND SUPERVISION

- Support and Construction of Deep Foundation Pit of Wastewater Pumping Station in Special Area LIU Gang, *et al.* (102)

TECHNICAL EXCHANGE

- Reason Analysis and Prevention Measures of Cracks in Water and Wastewater Structures HU Ru-lan(105)
Application of Frequency Conversion Technology in Zhuzhou Railway Waterworks LUO Rui-zhong(107)