

ISSN 1002-0624

东北水利水电

Water Resources & Hydropower Of Northeast China



2013 NO. 6

- 土坝坝坡稳定性可靠度分析
- 新疆恰甫其海工程粘土心墙坝防渗体土料施工特性
- 肯斯瓦特水利枢纽工程抗冲耐磨混凝土设计及应用

□ 水利部松辽水利委员会 主办

东北水利水电

DONGBEI
SHUILI SHUIDIAN
(月刊)

2013年第6期
6月15日出版
(第31卷总第347期)
1983年创刊

全国优秀科技期刊
中国学术期刊(光盘版)全文收录期刊
中文科技期刊数据库全文收录期刊
万方数据库全文收录期刊

~~~~~  
主管单位 中华人民共和国水利部  
主办单位 水利部松辽水利委员会  
编辑出版 《东北水利水电》杂志社  
编委会主任 党连文  
社 长 赵玉江  
主 编 林淀翔  
副 主 编 任海霞 师福东  
责 任 编辑 任海霞  
地 址 长春市解放大路4188号  
邮 政 编 码 130021  
电 话 0431-85607758  
邮 箱 dbsd@slwr.gov.cn  
刊 号 ISSN 1002-0624  
CN 22-1097/TV  
印 刷 长春工程学院印刷厂  
订 阅 全国各地邮局  
定 价 4.60元  
  
广告经营许可证:  
吉林省工商广字第01091号

## 目 次

### 规划设计

- 土坝坝坡稳定性可靠度分析.....邹俏俏(1)  
合页活动坝在城市景观建设中的应用.....王震宇(4)  
公路边坡失稳机理分析与治理研究.....周超华,韩绍英,朱静(7)  
井点降水方法在配水站施工中的应用.....王立明(10)  
浑南拦河枢纽工程运行调度模式研究.....吕爱民(12)

### 工程施工

- 新疆恰甫其海工程粘土心墙坝防渗体土料施工特性.....李旨强(14)  
新疆肯斯瓦特水利枢纽工程施工质量检测.....杨庆国,李久平(18)  
糯扎渡水电站锚索桩板墙施工技术应用.....王春明(21)  
大盈江水电站大型钢岔管装配焊接施工.....彭震宇(24)  
严寒地区冷天混凝土砌体施工技术应用.....蒋宏伟(26)  
化学灌浆在溢洪道堰体混凝土裂缝处理中的应用.....代涛,江山红,穆连萍(28)

### 水生态环境

- 大连市水库饮用水水源地安全现状评价.....赵凯(31)

### 水文水资源

- 下辽河平原区地下水动态成因类型分析.....周国刚,李雪艳,田文英(33)  
地下水开采量与河道渗漏量关系的研究.....刘显波,张异(35)  
浑河流域下垫面变化对径流系数影响的分析.....刘艳娟,许晓艳,胡娜(37)  
阜新市闹德海水库水源地供水潜力分析.....沈富远(39)  
嫩江流域甘河枯水分析.....赵秀娟,张晓梅(41)  
周期均值叠加法在中长期预报中的应用.....张青山,任海青,张宁(42)  
阜蒙县干旱分析与对策.....李凯(44)

### 水利科研

- 肯斯瓦特水利枢纽工程抗冲耐磨混凝土设计及应用.....姜波,王军(46)  
唐山曹妃甸煤码头水泥搅拌桩施工试验研究.....王祯凯,葛雷,杨金宇(49)  
土石坝安全监测分析评价技术研究.....赵琳(51)

### 农田水利

- 辽宁中部平原区作物生育期对潜水蒸发影响的探讨.....苏浩(53)  
彰武县水库灌区现状及节水改造探讨.....孙璐(55)  
浑蒲灌区生态型渠道建设探析.....李大治,曹玉宇(57)

### 工程建设与管理

- 猴山水库工程规模的合理性分析.....黄为(59)

### 水利信息化

- YCZ-2A-101型雨量自动测报系统可靠性研究.....韩正茂,鄂文锋(61)  
观音阁水库水文遥测系统主备信道优化探析.....金晶(63)

### 专题研究

- 牤牛河治理工程变更费用控制探析.....李宝菊,董剑(65)  
移民后期扶持工作稽察机制的建立与实践体会.....吕素全(67)  
强化水利统计数据质量控制.....张巍(69)  
封底:嫩江右岸省界堤防风光  
苗立峰 摄

## CONTENTS

### Design and planning

- Reliability analysis of stability of earth dam slope ..... ZOU Qiao-qiao(1)  
Application of hinges movable dam in urban landscape construction ..... WANG Zhen-yu(4)  
Mechanism analysis and treatment research of highway side slope instability ..... ZHOU Chao-hua, HAN Shao-ying, ZHU Jing(7)  
Application of well point dewatering method in water distributing station construction ..... WANG Li-ming(10)  
Study on operation dispatching mode for Hunnan barrage hub project ..... LYU Ai-min(12)

### Project construction

- Construction characteristics of earth material of anti-seepage body for clay core wall dam of Qiafuqihai project in Xinjiang ..... LI Zhi-qiang(14)  
Construction quality detection for Kensiweate hydro-junction project in Xinjiang ..... YANG Qing-guo, LI Jiu-ping(18)  
Construction technique application of anchor cable pile-slab wall in Nuozhadu hydropower station ..... WANG Chun-ming(21)  
Assembly and welding construction of large steel bifurcated pipe in Dayingjiang hydropower station ..... PENG Zhen-yu(24)  
Application of concrete masonry construction technique in cold day in severe cold region ..... JIANG Hong-wei(26)  
Application of chemical grouting in concrete crack treatment of spillway weir body ..... DAI Tao, JIANG Shan-hong, MU Lian-ping(28)

### Water ecological environment

- Present situation evaluation of drinking water source areas safety in reservoirs of Dalian city ..... ZHAO Kai(31)

### Hydrology and water resources

- Analysis on dynamic cause types of underground water in lower liaohe river plain area ..... ZHOU Guo-gang, LI Xue-yan, TIAN Wen-ying(33)  
Study on relationship between groundwater mining amount and river leakage amount ..... LIU Xian-bo, ZHANG Yi(35)  
Influence of underlying surface change on runoff coefficient in Hunhe river basin ..... LIU Yan-juan, XU Xiao-yan, HU Na(37)  
Analysis on water supply potential for Naodehai reservoir water source in Fuxin city ..... SHEN Fu-yuan(39)  
Low-flow analysis of Ganhe river in Nenjiang river basin ..... ZHAO Xiu-juan, ZHANG Xiao-mei(41)  
Application of period mean superposition method in middle and long term forecast ..... ZHANG Qing-shan, REN Hai-qing, ZHANG Ning(42)

- Drought analysis and countermeasure in Fumeng county ..... LI Kai(44)

### Hydraulic study

- Design and application of anti-scouring and abrasion resistant concrete in Kensiweate hydro-junction project ..... JIANG Bo, WANG Jun(46)

- Test study on cement mixed pile construction for Caofeidian coal wharf of Tangshan city ..... WANG Zhen-kai, GE Lei, YANG Jin-yu(49)

- Technical research on safety monitoring analysis and evaluation for earth-rockfill dam ..... ZHAO Lin(51)

### Farmland conservancy

- Influence of crop development stage on evaporation of phreatic water in middle plain area of Liaoning province ..... SU Hao(53)  
Discussion on reservoir irrigation status and water-saving transformation in Zhangwu county ..... SUN Yao(55)

- Discussion on ecotype tunnel construction in Hunpu irrigation ..... LI Da-zhi, CAO Yu-yu(57)

### Project construction and management

- Rationality analysis of Houshan reservoir project scale ..... HUANG Wei(59)

### Water information

- Reliability research on YCZ-2A-101 type rainfall automatic forecasting system ..... HAN Zheng-mao, E Wen-feng(61)

- Discussion on primary and standby channel optimization for hydrological telemetering system of Guanyinge reservoir ..... JIN Jing(63)

### Monographic study

- Discussion on cost change control for Maoniuhe river treatment project ..... LI Bao-ju, DONG Jian(65)

- Inspectorate mechanisms establishment and practice experience during final-period support for the migrants ..... LYU Su-quan(67)

- Strengthening quality control of water conservancy statistical data ..... ZHANG Wei(69)

### SAPONSOR

Song-Liao Water Resources Commission  
Ministry of Water Resources, P.R.China

### ADDRESS

4188Jiefang Road Changchun, P.R.China

### CODE NO.

ISSN 1002-0624

CN 22-1097/TV

TEL.(0431)85607758

### EDITOR AND PUBLISHER

Magazine Office of 《Water Resources  
and Hydropower of Northeast China》

### EDITOR IN CHIEF

LIN Dian-xiang

### POST CODE 130021

### E-mail

dbsd@ slwr.gov.cn