

Dam: Baishi

Country: China

River: Dalinghe

41°40'45.08"N 121°0'20.95"E

41.679188 121.005821

Owner/Client: Department of Water Resources, Liaoning Province

Designer/Engineer: Institute of Design & Investigation of Water Resources in Shenyang, Liaoning Province

Contractor: Department of Water Resources and Hydropower, Liaoning Province

Purpose (code): F H I W

Site start: 01.09.1996

RCC start: 01.04.1997

RCC completion: 30.09.1999

Site completion: 30.12.2000

Height (m): 49

Length (m): 513

Volume of RCC (m³x10³): 111

Total volume (m³x10³): 603

Reservoir capacity (m³x10⁶): 1645

Upstream slope: V  
0.10

Forming of upstream face (code): (1)  
(1)

Downstream slope: 0.70

Forming of downstream face (code): (1)

Spillway slope: 0.76

Forming of spillway face (code): (1)

Depth of layers (mm): 300

Depth of lifts (mm): 300

Cement content (kg/m³): 72

Pozzolan content (kg/m³): 58

Code for pozzolan: (F)

RCCDAM Unique Serial No.: RCCDAM0218

### Completed Dam



RCCDAM0218CD

# Guide to Abbreviations

## Purpose

- E Environmental
- F Flood control
- G Groundwater recharge
- H Flood control
- I Irrigation
- N Navigation
- P Pollution control
- R Recreation
- W Water supply

## Facing method

- (1) Traditional concrete against formwork
- (2) Traditional concrete against formwork with external geomembrane
- (3) RCC against formwork
- (4) RCC against formwork with external geomembrane
- (5) Traditional concrete against precast concrete panels
- (6) Traditional concrete against precast concrete panels with geomembrane
- (7) RCC against precast concrete panels
- (8) RCC against precast concrete panels with geomembrane
- (9) RCC against precast concrete panels with hot poured membrane
- (10) RCC against precast concrete blocks
- (11) Reinforced conventional concrete cast before RCC placement
- (12) Reinforced conventional concrete cast after RCC placement
- (13) Reinforced concrete cast against precast units or slip-formed facing elements
- (14) Slip-formed/extruded facing elements
- (15) RCC supported by fill shoulders
- (16) Mechanically compacted unformed face of RCC
- (17) Unformed face of RCC
  - ' GEVR/GE-RCC
  - \* Stepped face

## Pozzolans

- (-) No Pozzolan Used
- (C) High-lime flyash (ASTM Class C)
- (F) Low-lime flyash (ASTM Class F)
- (M) Milled sand
- (N) Natural pozzolan (ASTM Class N)
- (R) ROLAC (mixture of flyash and slag with or without limestone fines)
- (S) Ground-granulated blast-furnace slag
- (L) Mixture of GGBFS and limestone fines