

Dam: Hongkou

Country: China

River: Huotong

26°53'38.51"N 119°19'41.32"E

26.894032 119.328140

Owner/Client: Unknown

Designer/Engineer: Fujian Institute of Investigation and Design of Hydropower

Contractor: Fujian (Minjiang) Construction Bureau

Purpose (code): H W

Site start: 01.01.2003

RCC start: 01.01.2005

RCC completion: 31.12.2007

Site completion: 31.12.2008

Height (m): 130

Length (m): 341

Volume of RCC ( $m^3 \times 10^3$ ): 681

Total volume ( $m^3 \times 10^3$ ): 830

Reservoir capacity ( $m^3 \times 10^6$ ): 449

Upstream slope:

Forming of upstream face (code):

Downstream slope:

Forming of downstream face (code):

Spillway slope:

Forming of spillway face (code):

Depth of layers (mm):

Depth of lifts (mm):

Cement content ( $kg/m^3$ ):

Pozzolan content ( $kg/m^3$ ):

Code for pozzolan:

RCCDAM Unique Serial No.: RCCDAM0399

### Completed Dam



RCCDAM0399CD

### Google Earth



RCCDAM0399GE

# 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