

Dam: Suofengying

Country: China

River: Wu

26°58'12.44"N 106°22'21.12"E

26.970121 106.372536

Owner/Client: Guizhou-Wujiang Hydropower Development Co. Ltd.

Designer/Engineer: Guiyang Investigation and Design Institute of Hydropower

Contractor: 9th (and 8th and 6th) Construction Bureau

Purpose (code): F H I N W

Site start: 06.07.2002

RCC start: 01.06.2003

RCC completion: 31.08.2005

Site completion: 31.03.2006

Height (m): 116

Length (m): 165

Volume of RCC (m³x10³): 421

Total volume (m³x10³): 739

Reservoir capacity (m³x10⁶): 201

Upstream slope: V
0.25

Forming of upstream face (code): (3')
(3')

Downstream slope: 0.70

Forming of downstream face (code): (3')

Spillway slope: 0.70

Forming of spillway face (code): (1)

Depth of layers (mm): 300

Depth of lifts (mm): 3000

Cement content (kg/m³): 64

Pozzolan content (kg/m³): 95

Code for pozzolan: (F)

RCCDAM Unique Serial No.: RCCDAM0340

Completed Dam



RCCDAM0340CD

Google Earth



RCCDAM0340GE

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