

Dam: Duas Serras

Country Brazil

River Duas Serras

8°13'48.23"S 36°43'10.20"W

-8.230064 -36.719501

Owner/Client Companhia Pernambucana de Saneamento

Designer/Engineer *Unknown*

Contractor *Unknown*

Purpose (code) F

Site start 01.01.2005

RCC start 01.01.2006

RCC completion 31.12.2007

Site completion 31.12.2008

Height (m) 19

Length (m) 113

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>) 6

Total volume (m<sup>3</sup>x10<sup>3</sup>) *Unknown*

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>) 2

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) 300

Depth of lifts (mm) 300

Cement content (kg/m<sup>3</sup>)

Pozzolan content (kg/m<sup>3</sup>)

Code for pozzolan

RCCDAM Unique Serial No. RCCDAM0398

### Google Earth



RCCDAM0398GE

# 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