

Dam: Las Blancas

Country Mexico

River Álamo & Soso

26°24'30.14"N 99°14'01.69"W

26.408373 -99.233803

Owner/Client CNA (Comisión Nacional del Agua)

Designer/Engineer Estudios y proyectos de infraestructura hidroagícola, CNA

Contractor ICA (Ingenieros Civiles Asociados, S.A. de C.V.)

Purpose (code) I

Site start 15.08.1998

RCC start 01.03.1999

RCC completion 18.12.1999

Site completion 15.11.2000

Height (m) 32

Length (m) 2795

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>) 221

Total volume (m<sup>3</sup>x10<sup>3</sup>) 316

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>) 124

Upstream slope V

Forming of upstream face (code) (8)

Downstream slope V  
0.75

Forming of downstream face (code) (7)  
(3)

Spillway slope 0.75

Forming of spillway face (code) (1)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m<sup>3</sup>) 100

Pozzolan content (kg/m<sup>3</sup>) 100

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0224

### Completed Dam



RCCDAM0224CD

### Google Earth



RCCDAM0224GE

# 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