

Dam: Amatisteros III

Country Spain

River Belén

36°52'21.98"N 02°30'23.85"W

36.872772 -2.506625

Owner/Client Junta de Andalucia

Designer/Engineer Confederacion Hidrografica del Sur

Contractor SACYR

Purpose (code) F

Site start 01.01.1991

RCC start 01.09.1991

RCC completion 30.12.1991

Site completion 31.12.1992

Height (m) 15

Length (m) 75

Volume of RCC ( $m^3 \times 10^3$ ) 4

Total volume ( $m^3 \times 10^3$ ) 5

Reservoir capacity ( $m^3 \times 10^6$ ) 1

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 ( $kg/m^3$ ) 73

Pozzolan content ( $kg/m^3$ ) 109

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM1066

### Completed Dam



RCCDAM1066CD

### Google Earth



RCCDAM1066GE

# 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