

Dam: Nacaome

Country Honduras

River Rio Grande Nacaome

13°41'20.79"N 87°21'46.14"W

13.689108 -87.362816

Owner/Client Secretaria de Recursos Naturales

Designer/Engineer Consortium of Servizi Techici Internazionali (I.T.S.) S.p.A and C. Lotti & Associati S.p.A (CONC.I.L.)

Contractor Astaldi S.p.A.

Purpose (code) W

Site start 01.06.1993

RCC start 01.08.1994

RCC completion 31.12.1995

Site completion 31.12.1995

Height (m) 54

Length (m) 320

Volume of RCC (m³x10³) 250

Total volume (m³x10³) 300

Reservoir capacity (m³x10⁶) 42

Upstream slope 0.15

Forming of upstream face (code) (2)

Downstream slope 0.80

Forming of downstream face (code) (3) *

Spillway slope 0.80

Forming of spillway face (code) (12) *

Depth of layers (mm) 400

Depth of lifts (mm) 400

Cement content (kg/m³) 64

Pozzolan content (kg/m³) 21

Code for pozzolan (N)

RCCDAM Unique Serial No. RCCDAM0164

Completed Dam



RCCDAM0164CD

Google Earth



RCCDAM0164GE

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