

Dam: Cuchillo Negro

Country USA

River Cuchillo Negro

33°13'7.97"N 107°18'59.48"W

33.21888 -107.316521

Owner/Client City of Truth or Consequences

Designer/Engineer USACE, Albuquerque

Contractor PCL Civil Constructors, Tempe, AZ

Purpose (code) F

Site start 17.10.1989

RCC start 08.03.1990

RCC completion 07.05.1991

Site completion 31.07.1991

Height (m) 50

Length (m) 186

Volume of RCC ($m^3 \times 10^3$) 75

Total volume ($m^3 \times 10^3$) 82

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

Upstream slope V

Forming of upstream face (code) (7)

Downstream slope 0.90

Forming of downstream face (code) (17)

Spillway slope separate

Forming of spillway face (code) *Unknown*

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m^3) 77

Pozzolan content (kg/m^3) 59

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0080

Under Construction



RCCDAM0080UC

Completed Dam



RCCDAM0080CD

Google Earth



RCCDAM0080GE

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