Dam:	Maroño	Country	Spain
River	Izoria and Idas	43°2'53.35"N 3°3'19.55"W	43.048153 -3.055431
Owner/Client	Diputación Foral de Alava		
Designer/Engineer	AEPO		
Contractor	Dragados y Construcciones S.A.		

Purpose (code)	W
Site start	01.01.1989
RCC start	20.11.1989
RCC completion	31.08.1990
Site completion	30.11.1991
Height (m)	53
Length (m)	182
Volume of RCC (m^3x10^3)	80
Total volume (m^3x10^3)	91
Reservoir capacity (m^3x10^6)	2
Upstream slope	0.05
Forming of upstream face (code)	(3)
Downstream slope	V 0.75
Forming of downstream face (code)	(3) * (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^3)	80 65
Pozzolan content (kg/m^3)	160 170
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0069

Under Construction

RCCDAM0069UC

Completed Dam

RCCDAM0069CD

Google Earth

RCCDAM0069GE

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