Dam:	S.W. Freese (formerly Stacy - spillway)	Country	USA
River	Colorado	31°30'2.03"N 99°40'3.49"W	31.500565 -99.667633
Owner/Client	Colorado River Municipal Water District		
Designer/Engineer	Freese & Nichols, Fort Worth, Texas		
Contractor	Brown & Root, Houston		

Purpose (code)	W
Site start	01.05.1987
RCC start	01.05.1988
RCC completion	30.04.1989
Site completion	31.01.1990
Height (m)	31
Length (m)	173
Volume of RCC (m^3x10^3)	89
Total volume (m^3x10^3)	158
Reservoir capacity (m^3x10^6)	700
Upstream slope	V
Forming of upstream face (code)	(13)
Downstream slope	0.831
Forming of downstream face (code)	(17)
Spillway slope	ogee
Forming of spillway face (code)	(12)
Depth of layers (mm)	300
Depth of lifts (mm)	300
Cement content (kg/m^3)	125
Pozzolan content (kg/m^3)	62
Code for pozzolan	(C)
RCCDAM Unique Serial No.	RCCDAM0051

Under Construction



RCCDAM0051UC

Completed Dam



RCCDAM0051CD

Google Earth



RCCDAM0051GE

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