Dam:	Olivenhain	Country	USA
River	Escondido Creek	33°04'13.21"N 117°08'17.51"W	33.070335 -117.138199
Owner/Client	San Diego County Water Authority		
Designer/Engineer	Parsons-Harza JV.		
Contractor	Kiewit Pacific Co. Ltd.		

Purpose (code)	W
Site start	13.06.2001
RCC start	04.02.2002
RCC completion	31.10.2002
Site completion	03.07.2003
Height (m)	97
Length (m)	788
Volume of RCC (m^3x10^3)	1070
Total volume (m^3x10^3)	1140
Reservoir capacity (m^3x10^6)	30
Upstream slope	V
Forming of upstream face (code)	(4')
Downstream slope	0.80
Forming of downstream face (code)	(3) *
Spillway slope	0.80
Forming of spillway face (code)	(1) *
Depth of layers (mm)	300
Depth of lifts (mm)	300
Cement content (kg/m^3)	74
Pozzolan content (kg/m^3)	121
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0282

Under Construction



RCCDAM0282UC

Completed Dam



RCCDAM0282CD

Google Earth



RCCDAM0282GE

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