Dam:	Zaaihoek	Country	South Africa
River	Slang	27°26'21.30"S 30°3'35.56"E	-27.439251 30.059877
Owner/Client	Department of Water & Sanitation		
Designer/Engineer	Department of Water Affairs		
Contractor	Department of Water Affairs		

Purpose (code)	W
Site start	01.05.1985
RCC start	01.11.1985
RCC completion	31.03.1987
Site completion	30.09.1988
Height (m)	47
Length (m)	527
Volume of RCC (m^3x10^3)	97
Total volume (m^3x10^3)	134
Reservoir capacity (m^3x10^6)	190
Upstream slope	V
Forming of upstream face (code)	(1)
Downstream slope	V 0.62
Forming of downstream face (code)	(1) *
Spillway slope	0.62
Forming of spillway face (code)	(1) *
Depth of layers (mm)	250
Depth of lifts (mm)	250
Cement content (kg/m^3)	36
Pozzolan content (kg/m^3)	84
Code for pozzolan	(S)
RCCDAM Unique Serial No.	RCCDAM0031

Under Construction



RCCDAM0031UC

Completed Dam



RCCDAM0031CD

Google Earth



RCCDAM0031GE

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