Dam:	Flag Boshielo (formerly Arabie)	Country	South Africa
River	Olifants	24°46'50.19"S 29°25'32.89"E	-24.780607 29.425802
Owner/Client	Department of Water & Sanitation		
Designer/Engineer	Theron, Prinsloo & van Tonder		
Contractor	LTA Construction		

Purpose (code)	I W
Site start	12.09.1985
RCC start	14.03.1986
RCC completion	04.11.1986
Site completion	12.07.1987
Height (m)	36
Length (m)	455
Volume of RCC (m^3x10^3)	101
Total volume (m^3x10^3)	142
Reservoir capacity (m^3x10^6)	104
Upstream slope	V
Forming of upstream face (code)	(1)
Downstream slope	0.50 0.75
Forming of downstream face (code)	(1) * (1) *
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)	36
Pozzolan content (kg/m^3)	74
Code for pozzolan	(S)
RCCDAM Unique Serial No.	RCCDAM0029

Completed Dam

RCCDAM0029CD

Google Earth

RCCDAM0029GE

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