Dam:	Inyaka	Country	South Africa
River	Marite	24°53'6.14"S 31°5'4.62"E	-24.885038 31.084618
Owner/Client	Department of Water & Sanitation		
Designer/Engineer	Department of Water Affairs and Forestry		
Contractor	Group 5 (Roads) Africa		

Purpose (code)	W
Site start	01.01.1996
RCC start	01.06.1997
RCC completion	26.10.2000
Site completion	19.12.2001
Height (m)	53
Length (m)	350
Volume of RCC (m^3x10^3)	160
Total volume (m^3x10^3)	327
Reservoir capacity (m^3x10^6)	123
Upstream slope	V
Forming of upstream face (code)	(1)
Downstream slope	0.68
Forming of downstream face (code)	(1)
Spillway slope	0.68
Forming of spillway face (code)	(1)
Depth of layers (mm)	250
Depth of lifts (mm)	250
Cement content (kg/m^3)	60
Pozzolan content (kg/m^3)	120
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0241

Under Construction



RCCDAM0241UC

Completed Dam



RCCDAM0241CD

Google Earth



RCCDAM0241GE

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