Dam:	Nickajack Auxillary Spillway	Country	USA
River	Tennessee	35°0'13.13"N 85°37'10.88"W	35.003647 -85.61969
Owner/Client	Tennessee Valley Authority		
Designer/Engineer	Vann A. Newell & Harry A. Mason		
Contractor	TVA Construction Forces, GUMBK, Sequatchie Concrete Services Inc.		

Purpose (code)	H
Site start	03.08.1989
RCC start	10.07.1990
RCC completion	13.02.1991
Site completion	24.04.1992
Height (m)	17
Length (m)	427
Volume of RCC (m^3x10^3)	79
Total volume (m^3x10^3)	79
Reservoir capacity (m^3x10^6)	311
Upstream slope	0.25
Forming of upstream face (code)	(3) *
Downstream slope	0.60
Forming of downstream face (code)	(3) *
Spillway slope	0.60
Forming of spillway face (code)	(3) *
Depth of layers (mm)	300
Depth of lifts (mm)	600
Cement content (kg/m^3)	85
Pozzolan content (kg/m^3)	119
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0078

Completed Dam



RCCDAM0078CD

Google Earth



RCCDAM0078GE

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