Dam:	Barnard Creek Canyon Debris Dam	Country	USA
River	Barnard Creek	40°54'58.74"N 111°51'45.25"W	40.916317 -111.862572
Owner/Client	Davis County Flood Control		
Designer/Engineer	ESI Consultants		
Contractor	Nordic Industries		

Purpose (code)	F
Site start	01.08.1999
RCC start	04.11.1999
RCC completion	07.11.1999
Site completion	31.01.2000
Height (m)	18
Length (m)	46
Volume of RCC (m^3x10^3)	3
Total volume (m^3x10^3)	3
Reservoir capacity (m^3x10^6)	*Unknown*
Upstream slope	V
Forming of upstream face (code)	(18)
Downstream slope	0.75
Forming of downstream face (code)	(18) *
Spillway slope	0.75
Forming of spillway face (code)	(18) *
Depth of layers (mm)	300
Depth of lifts (mm)	300
Cement content (kg/m^3)	108
Pozzolan content (kg/m^3)	84
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0221

Under Construction



RCCDAM0221UC

Completed Dam



RCCDAM0221CD

Google Earth



RCCDAM0221GE

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