

Dam: Genesee #2

Country USA

River Bear Creek

39°40'7.29"N 105°16'35.92"W

39.668694 -105.276642

Owner/Client Genesee Water and Sanitation District

Designer/Engineer W.W. Wheeler & Associates

Contractor J.V. ASI Constructors and Flatiron Construction Corp.

Purpose (code) W

Site start 01.06.2006

RCC start 01.11.2006

RCC completion 22.11.2006

Site completion 31.10.2007

Height (m) 29

Length (m) 168

Volume of RCC ( $m^3 \times 10^3$ ) 24

Total volume ( $m^3 \times 10^3$ ) Unknown

Reservoir capacity ( $m^3 \times 10^6$ ) 1

Upstream slope V

Forming of upstream face (code) Unknown

Downstream slope Unknown

Forming of downstream face (code) Unknown

Spillway slope Unknown

Forming of spillway face (code) Unknown

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content ( $kg/m^3$ ) Unknown

Pozzolan content ( $kg/m^3$ ) Unknown

Code for pozzolan Unknown

RCCDAM Unique Serial No. RCCDAM0359

## Under Construction



RCCDAM0359UC

## Completed Dam



RCCDAM0359CD

## Google Earth



RCCDAM0359GE

# 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