

Dam: Cannelton

Country USA

River Ohio

37°53'40.43"N 86°42'2.99"W

37.894566 -86.700829

Owner/Client American Municipal Partners (AMP)

Designer/Engineer MWH-Stantec

Contractor Walsh Construction

Purpose (code) H

Site start 15.05.2009

RCC start 27.06.2012

RCC completion 01.08.2013

Site completion 23.09.2016

Height (m) 35

Length (m) 158

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>) 113

Total volume (m<sup>3</sup>x10<sup>3</sup>) *Unknown*

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>) *Unknown*

Upstream slope 0.80

Forming of upstream face (code) (10)

Downstream slope 0.80

Forming of downstream face (code) (10)

Spillway slope separate

Forming of spillway face (code)

Depth of layers (mm) 230

Depth of lifts (mm) 230

Cement content (kg/m<sup>3</sup>) 118

Pozzolan content (kg/m<sup>3</sup>) 64

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0965

### Under Construction



RCCDAM0965UC

### Completed Dam



RCCDAM0965CD

### Google Earth



RCCDAM0965GE

# 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