

Dam: Captain Meldahl

Country USA

River Ohio

38°47'27.11"N 84°10'23.34"W

38.790863 -84.173149

Owner/Client American Municipal Partners (AMP)

Designer/Engineer MWH-Stantec

Contractor Alberici/Baker JV

Purpose (code) H

Site start 01.08.2011

RCC start 03.05.2013

RCC completion 05.12.2013

Site completion 27.04.2016

Height (m) 28

Length (m) 84

Volume of RCC (m³x10³) 56

Total volume (m³x10³) Unknown

Reservoir capacity (m³x10⁶) 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) Unknown

Depth of layers (mm) 230

Depth of lifts (mm) 230

Cement content (kg/m³) 116

Pozzolan content (kg/m³) 62

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0876

Google Earth



RCCDAM0876GE

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