

Dam: Kido

Country Japan

River Kido

37°16'17.6"N 140°54'52.18"E

37.271557 140.91449

Owner/Client Fukushima Prefecture

Designer/Engineer Fukushima-ken

Contractor Maeda Construction Co. Ltd., Nissan Construction Co. Ltd. and Tanaka Construction Co. Ltd. J.V.

Purpose (code) F I N W

Site start 20.10.2000

RCC start 09.06.2003

RCC completion 31.08.2005

Site completion 20.03.2008

Height (m) 94

Length (m) 350

Volume of RCC ($m^3 \times 10^3$) 291

Total volume ($m^3 \times 10^3$) 501

Reservoir capacity ($m^3 \times 10^6$) 19

Upstream slope V
0.10

Forming of upstream face (code) (1)
(1)

Downstream slope 0.78

Forming of downstream face (code) (1)

Spillway slope 0.78

Forming of spillway face (code) (1)

Depth of layers (mm) 250

Depth of lifts (mm) 750
1000

Cement content (kg/m^3) 84

Pozzolan content (kg/m^3) 36

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0341

Completed Dam



RCCDAM0341CD

Google Earth



RCCDAM0341GE

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