

Dam: Asahi Ogawa

Country Japan

River Ogawa

36°53'17.51"N 137°37'6.13"E

36.888199 137.618362

Owner/Client Toyama Prefecture

Designer/Engineer Toyama-ken

Contractor Kumagi-Gumi Co Ltd, Kajima Co Ltd and Hayasi Construction Co Ltd (J.V.)

Purpose (code) F H

Site start 01.03.1983

RCC start 01.05.1986

RCC completion 30.06.1988

Site completion 30.06.1990

Height (m) 84

Length (m) 260

Volume of RCC ($\text{m}^3 \times 10^3$) 268

Total volume ($\text{m}^3 \times 10^3$) 361

Reservoir capacity ($\text{m}^3 \times 10^6$) 5

Upstream slope V
0.90

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

Downstream slope 0.80

Forming of downstream face (code) (1)

Spillway slope 0.80

Forming of spillway face (code) (1)

Depth of layers (mm) 180

Depth of lifts (mm) 500

Cement content (kg/m^3) 96

Pozzolan content (kg/m^3) 24

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0042

Completed Dam



RCCDAM0042CD

Google Earth



RCCDAM0042GE

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