

Dam: Taiho auxiliary dam

Country Japan

River Taiho

26°38'51.86"N 128°08'56.34"E

26.647739 128.148987

Owner/Client North Dam Integrated Control Office

Designer/Engineer North Dam Integrated Control Office

Contractor Maeda Corporation, Sumitomo Mitsui Construction Co. Ltd. and Oshiro Gumi Co. Ltd JV

Purpose (code) E

Site start 01.01.2002

RCC start 01.01.2003

RCC completion 31.12.2004

Site completion 31.12.2005

Height (m) 30

Length (m) 110

Volume of RCC (m³x10³) 34

Total volume (m³x10³) Unknown

Reservoir capacity (m³x10⁶) Unknown

Upstream slope 1.20

Forming of upstream face (code) (12)

Downstream slope 1.20

Forming of downstream face (code) (12)

Spillway slope Unknown

Forming of spillway face (code) Unknown

Depth of layers (mm) 250

Depth of lifts (mm) 500
1000

Cement content (kg/m³) Unknown

Pozzolan content (kg/m³) Unknown

Code for pozzolan (S)

RCCDAM Unique Serial No. RCCDAM0325

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