

Dam: Nagashima sediment dam

Country Japan

River Ohi

35°9'59.1"N 138°9'20.1"E

35.166416 138.155579

Owner/Client Ministry of Construction

Designer/Engineer Ministry of Construction

Contractor Nishimatu Construction Co., Ltd. and Toda Construction Co., Ltd. J.V.

Purpose (code)

Site start 12.03.1997

RCC start 26.04.1999

RCC completion 10.12.1999

Site completion 10.08.2000

Height (m) 33

Length (m) 127

Volume of RCC ($m^3 \times 10^3$) 23

Total volume ($m^3 \times 10^3$) 55

Reservoir capacity ($m^3 \times 10^6$) 1

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/m^3) 40

Pozzolan content (kg/m^3) 50

Code for pozzolan (S)

RCCDAM Unique Serial No. RCCDAM0223

Google Earth



RCCDAM0223GE

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