

Dam: Hantangang

Country South Korea

River Hantan

38°3'51.02"N 127°7'57.75"E

38.064171 127.132706

Owner/Client Kwater (Korean Water Resources Corporation)

Designer/Engineer Saman Corporation

Contractor Daelim Industrial Co., Ltd.

Purpose (code) F I W

Site start 28.02.2007

RCC start 01.07.2010

RCC completion 31.07.2014

Site completion 20.12.2014

Height (m) 84

Length (m) 690

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

Total volume ($m^3 \times 10^3$) 709

Reservoir capacity ($m^3 \times 10^6$) 270

Upstream slope V

Forming of upstream face (code) (1)

Downstream slope

Forming of downstream face (code) (1)

Spillway slope

Forming of spillway face (code) (1)

Depth of layers (mm) 250

Depth of lifts (mm) 750

Cement content (kg/m^3) 91

Pozzolan content (kg/m^3) 39

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0602

Under Construction



RCCDAM0602UC

Completed Dam



RCCDAM0602CD

Google Earth



RCCDAM0602GE

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