

Dam: Wright's Retarding Basin

Country Australia

River Point Hut Creek

35°28'15.86"S 149°6'30.67"E

-35.471081 149.108597

Owner/Client Australian Capital Territory Government

Designer/Engineer Willing & Partners Ltd

Contractor Wollongong Construction Ltd

Purpose (code) F

Site start 30.01.1989

RCC start 21.06.1989

RCC completion 04.08.1989

Site completion 13.10.1989

Height (m) 18

Length (m) 86

Volume of RCC (m³x10³) 9

Total volume (m³x10³) 9

Reservoir capacity (m³x10⁶) 1

Upstream slope V

Forming of upstream face (code) (7)

Downstream slope 1.00

Forming of downstream face (code) (16)

Spillway slope 1.00

Forming of spillway face (code) (13)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m³) 145

Pozzolan content (kg/m³) 73

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0055

Under Construction



RCCDAM0055UC

Completed Dam



RCCDAM0055CD

Google Earth



RCCDAM0055GE

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