

Dam: Petit Saut**Country** French Guyana**River** Sinnamary

5°3'45.39"N 53°2'51.28"W

5.062608 -53.047577

Owner/Client Electricité de France**Designer/Engineer** Electricité de France**Contractor** Bec Frères, Dumez, SPIE and others (Groupement d'Entreprises BPS), Ballot, Razel, Chantiers Modernes**Purpose (code)** H**Site start** 01.07.1989**RCC start** 15.07.1992**RCC completion** 23.02.1993**Site completion** 30.05.1994**Height (m)** 48**Length (m)** 740**Volume of RCC (m³x10³)** 250**Total volume (m³x10³)** 410**Reservoir capacity (m³x10⁶)** 3500**Upstream slope** V**Forming of upstream face (code)** (11)**Downstream slope** V
0.80**Forming of downstream face (code)** (7)
(16)**Spillway slope** 0.80**Forming of spillway face (code)** (13)**Depth of layers (mm)** 300**Depth of lifts (mm)** 300**Cement content (kg/m³)** Unknown**Pozzolan content (kg/m³)** 120**Code for pozzolan** (R)**RCCDAM Unique Serial No.** RCCDAM0114

Completed Dam



RCCDAM0114CD

Google Earth



RCCDAM0114GE

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