Dam:	Nam Theun 1	Country	Laos
River	Nam Kading, aka Nam Theun	18°21'17.77"N 104°8'51.59"E	18.355 104.147667
Owner/Client	Nam Theun 1 Power Company		
Designer/Engineer	AFRY Switzerland Ltd. (formerly Pöyry Energy Ltd.)		
Contractor	Initially CMC Ravenna, Italian Thai Development and Song Da Corporation J.V.; replaced by SinoHydro (Construction Bureau №3)		

Purpose (code)	H
Site start	01.08.2015
RCC start	15.01.2019
RCC completion	25.02.2022
Site completion	12.08.2022
Height (m)	187
Length (m)	772
Volume of RCC (m^3x10^3)	4141213
Total volume (m^3x10^3)	4320
Reservoir capacity (m^3x10^6)	3009
Upstream slope	*Unknown*
Forming of upstream face (code)	*Unknown*
Downstream slope	*Unknown*
Forming of downstream face (code)	(3') *
Spillway slope	*Unknown*
Forming of spillway face (code)	*Unknown*
Depth of layers (mm)	300
Depth of lifts (mm)	3000 & 9000
Cement content (kg/m^3)	100 130
Pozzolan content (kg/m^3)	130 120
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0747

Under Construction



RCCDAM0747UC

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