Dam:	Muskrat Falls North Dam	Country	Canada
River	Churchill	53°14'47.06"N 60°46'1.92"W	53.246407 -60.7672
Owner/Client	NALCOR		
Designer/Engineer	SNC-Lavalin		
Contractor	Barnard Pennecon LP		

Purpose (code)	H
Site start	01.08.2015
RCC start	29.07.2017
RCC completion	15.10.2018
Site completion	31.07.2023
Height (m)	39
Length (m)	450
Volume of RCC (m^3x10^3)	208
Total volume (m^3x10^3)	243
Reservoir capacity (m^3x10^6)	*Unknown*
Upstream slope	V
Forming of upstream face (code)	(1)
Downstream slope	0.80
Forming of downstream face (code)	(1) *
Spillway slope	0.80
Forming of spillway face (code)	(1)
Depth of layers (mm)	300
Depth of lifts (mm)	3000 & 1500
Cement content (kg/m^3)	80
Pozzolan content (kg/m^3)	140
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0689

Under Construction



RCCDAM0689UC

Completed Dam



RCCDAM0689CD

Google Earth



RCCDAM0689GE

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