

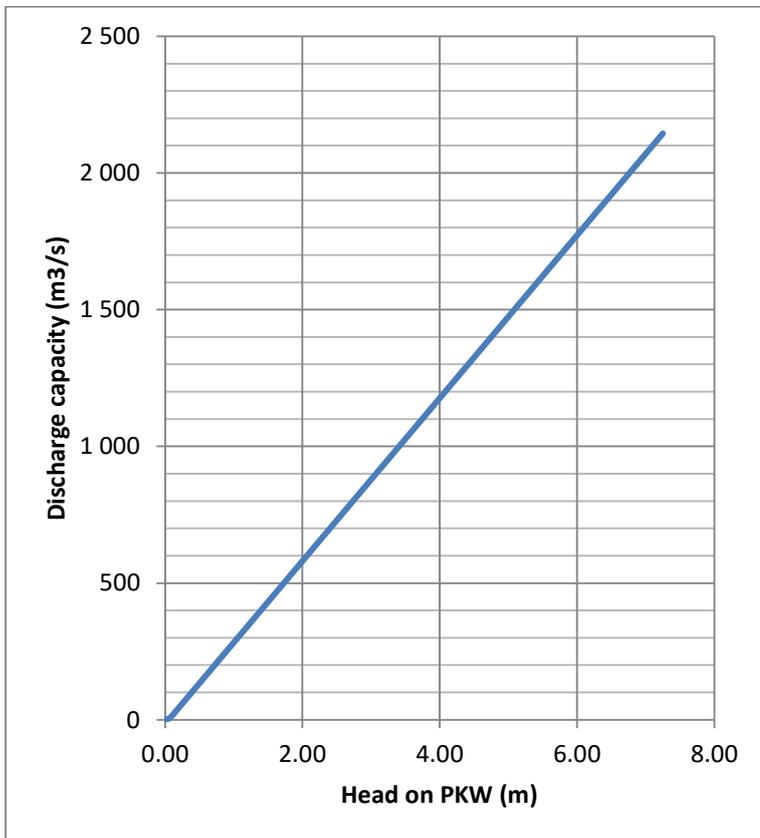


Dam's name:

RECORD

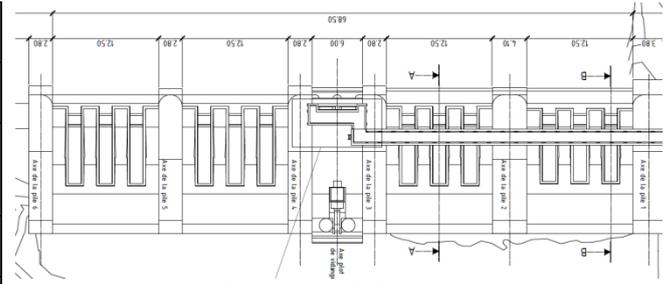
PKW's year of Construction:

2015-2016

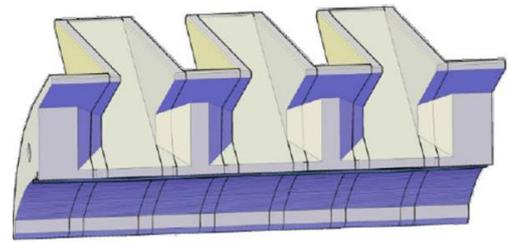


Country: France

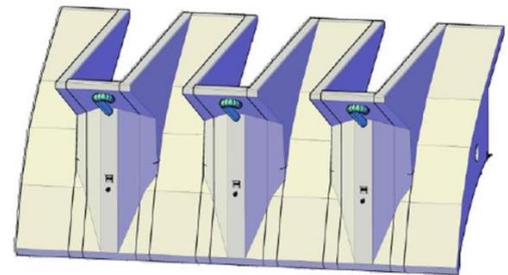
<i>Progress of work :</i>	Built
<i>Dam's owner:</i>	EDF
<i>Consultant and physical model laboratory:</i>	-
<i>Contractor:</i>	Eiffage TP
<i>PKW location:</i>	All along the dam Crest
<i>Downstream energy dissipation type:</i>	Spillway
<i>PKW purpose:</i>	Increase discharge capacity
<i>PKW discharge capacity at MWL (m³/s):</i>	1350
<i>Surveillance devices (Presence and type):</i>	No
<i>Aeration (type and diameter of the pipe):</i>	PVC pipes of 200mm of diameter + 1 collector of 500 mm of diameter
<i>Overflowing Frequency:</i>	Annual
<i>Number of overflow known:</i>	0
<i>Maximum head on PKW experienced (m) and date:</i>	0
<i>Material of the PKW:</i>	Reinforced concrete
<i>Type of model used:</i>	Based on literature
<i>Type and number of other spillway:</i>	0
<i>B (m):</i>	9.45
<i>P (m):</i>	3
<i>W (m):</i>	4x12.5
<i>L (m):</i>	258
<i>Number of inlet:</i>	4 x 3
<i>W_i (m):</i>	1.52
<i>Number of outlet:</i>	4 x (2 + 2 closing outlets)
<i>W_o (m):</i>	1.52
<i>T_s (m):</i>	0.3-0.4



Plan view of the PKW



Upstream view of the PKW



Downstream view of the PKW

Comment:

First dam where PKW are the only spillways on a dam (except for the free flow piers and abutments). Their construction has strongly modified the dam from a gated to a free flow one.

Biggest discharge capacity of EDF PKW at MWL