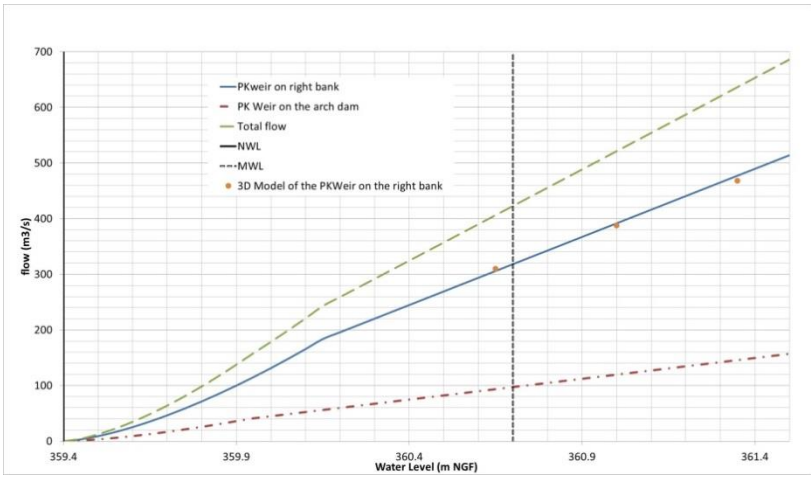
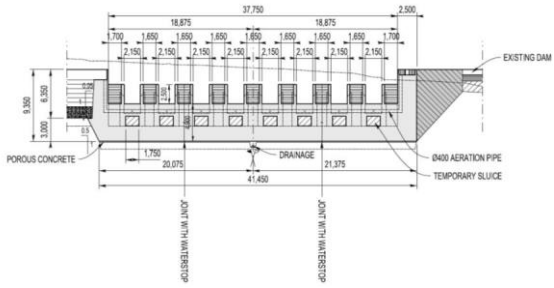
Dam's name: **RASSISSE** *PKW's year of construction:* 2015

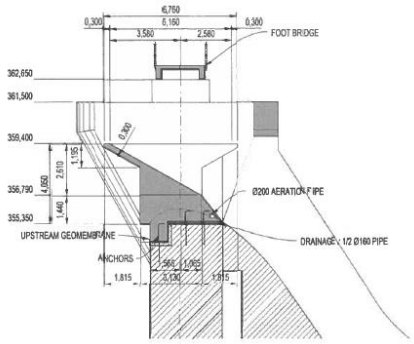


Country: France

Progress of work :	Built
Dam's owner:	Syndicat Intercommunal d'Aménagement Hydraulique du Dadou
Consultant:	ISL (studies) ISL (numerical model)
Contractor:	Razel / GTM / Cazal TP
PKW location:	PKW1 : On a new weir on the right bank PKW2 : On a existing weir on arch dam
Downstream energy dissipation type:	Ski jump
PKW purpose:	Increase discharge capacity
PKW discharge capacity at MWL (m3/s):	PKW1 : 306 PKW2 :101
Dam design flow (m3/s):	431
Monitoring devices (Presence and type):	No
Aeration (type and diameter of the pipe):	PEHD pipe of 200mm of diameter
Overflowing Frequency:	Daily
Number of overflow known:	1 to 5
Maximum head on PKW experienced (m) and date:	0.42, 20/10/2012
Type and number of other spillway:	0
Material of the PKW:	Reinforced concrete
B (m):	PKW1 :9 / PKW2 :6.5
P (m):	PKW1 : 3.75/ PKW2 :2.7
W (m):	PKW1 : 37.75 / PKW2 :14
L (m):	PKW1 :180 / PKW2 :63
Number of inlet:	PKW1 : 9/ PKW2 :6
W_i *(m):*	PKW1 :2.15/ PKW2 :1,5
Number of outlet:	PKW1 : 8 / PKW2 :4
W_o *(m):*	PKW1 :1.65 / PKW2 :1,15
T_s *(m):*	0.35
PKW cost (k€)	PKW 1 : 3 200/ PKW 2 :400
Total project cost (k€)	8 700 000



Plan view of the PKW



Cross-section view of the PKW

Comment :

Sluices within the pKweir structures (PK1) were built to evacuate the flood during the construction of the new PKweir on the existing arch dam.

The main technical difficulties of the PKW on arch dam were the dam location height .