

Waterworks in the Aral-Syrdarya basin

Southern-Kazakhstan region

n	Dam name	Start-up year	Dam length, m	Water source	Maximal capacity, m3/sec	Height above top of weir, m	Number of dam spans, pieces	Span width, m
1	Karaspan at the head water-intake facility	1960	71	Arys river	700,0	9,65	7	4
2	Sairamsuisky waterworks	1936	60,0	Sairam-Su river	120,0	4,0	3	9,5
3	Verkhne-Badamsky waterworks	1973	24,4	Badam river	208,0	4,5	6	5
4	Nijne-Badamsky waterworks	1963	72,0	Badam river	336,0	4,0	4	5
5	Kesken	1936	26,6	Keles river	125,0	4,8	3	5
6	Shoshim	1960	32,26	Keles river	163,0	4,5	1	20
7	Oshakty	1937	32,0	Keles river	125,0	4,0	3	5
8	Besabdal	1978	34,8	Keles river	208,0	6,9	5	6
9	Oimaut	1978	3	Keles river	385,0	5,0	5	3
10	Shoulderskaya	1937	74	Arys river	300,0	8,85	1	39,35
11	Wate-intake facility Kosdiermen	2007	66	Badam river	788,0	5,25	1	60
12	Verkhnee-Aksuisky waterworks	1983-1986		Aksu river	200,0			
13	Nijne-Aksuisky waterworks	1936		Aksu river	120,0			
14	Djabaglysuisky	1968-1970		Kuluy river	150,0			
15	Kent-Baldybrek	1968-1970		Baldybrek river	100,0			
16	Ulken-Kesken	2007		Keles river	100,0			

Source: CAREWIB DB

Kyzylorda region

n	Parameter	Unit	Kyzylorda	Kazaly	Aitek	Karaozek
1	Start-up year	year	1956	1970	27.11.2004	2007
2	Capacity	m3/sec	1750	1000	750 / 425(winter)	350 / 200(winter)
3	Irrigation area designed	thousand ha	120	60	17	-
4	Emergency level	m	129,37	71	124,4	124,65
5	normal maximum operating level	m	128,8	69,5	123	123,3
6	Level of weir top	m	123	65	119	120
7	Dam type		low-pressure	low-pressure	low-pressure	-
8	Number of dam spans	piece	5	5	3	2
9	Span width	m	14	16	16	12
10	overall height	m	10,8	8,2	7,46	4,4
11	Type of gate		segmental	flat	segmental	stoplog gate
12	Normal pressure at the dam	m	6	4,5	4,5	3,3
13	Width of structure frontage	m	150,6	94,6	40	40
14	Capacity: left-bank regulator / right-bank regulator	m3/sec	208 / 110	100 / 85		
15	Irrigated area: left-bank regulator / right-bank regulator	thousand ha	89.6 / 8.7	20.0 / 12.0		

Source: CAREWIB DB