Outline of Structural Standards for Johkasou (Ministerial Notification No. 1292, The Ministry of Construction)

Class	Type of treatment	Treatment process	Number of users for design (5 / 50 / 100 / 200 / 500 / 2000 / 5000)	BOD removal rate	Treatment performance: Effluent quality (mg/l) BOD	COD	T-N	T-P
#1	Combined domestic wastewater treatment	Separation-contact aeration process		90% or more	20 or less	—	—	—
		Anaerobic filter-contact aeration process					—	—
		Denitrification type anaerobic filter-contact aeration process					20 or less	—
#4	Flush toilet wastewater treatment	Septic tank process		55% or more	120 or less	—	—	—
#5		Land infiltration process		SS:55% or more	SS:250 or less	—	—	—
#6	Combined domestic wastewater treatmant	Rotating biological contactor process		90% or more	20 or less	30 or less	—	—
		Contact aeration process						
		Trickling filter process						
		Extended aeration process						
		Conventional activated sludge process						
#7		Contact aeration and trickling filter process		—	10 or less	15 or less	—	—
		Coagulation separetion process						
#8		Contact aeration and activated carbon abosorption process		—	10 or less	10 or less	—	—
		Coagulation separetion and activated carbon abosorption process						
#9		Nitrified water recirculation type activated sludge process		—	10 or less	15 or less	20 or less	1 or less
		Tertiary treatment type denitrification dephosphorization process						
#10		Nitrified water recirculation type activated sludge process			10 or less	15 or less	15 or less	1 or less
		Tertiary treatment type denitrification dephosphorization process						
#11		Nitrified water recirculation type activated sludge process			10 or less	15 or less	10 or less	1 or less
		Tertiary treatment type denitrification dephosphorization process						

#12 Emission standard under the Water Pollution Control Law	Class:	COD(mg/l):	SS(mg/l):	n-Hex(mg/l):	pH:	Total coliforms(N/ml):
	#6 - #11	60	70	20	5.8~8.6	3,000 or less
	#6 - #11	45	60	20	5.8~8.6	3,000 or less
	#6 - #11	30	50	20	5.8~8.6	3,000 or less
	#7 - #11	15	15	20	5.8~8.6	3,000 or less
	#8	10	15	20	5.8~8.6	3,000 or less

Note: Class #2 and Class #3 were deleted from the standard in 2006.