

Captor effluent flows into two activated sludge basins for further treatment. The average M.L.S.S. in the aeration basins during the summer months is 1400 to 1600 mg/l and during the winter months is 2200 mg/l. D.O. is maintained at 2.5 to 3.5 mg/l by two direct drive centrifugal blowers with a third blower reserved for backup. Air from the blowers is distributed throughout the basins by high efficiency EPDM membrane diffusers. The sludge age ranges from 5 days to 15 days. The S.V.I. ranges from 100 to 380 depending on the mode of operation.

The performance of the Captor/Activated sludge after 23 years of operation is shown below

Parameter	Inf. Avg. mg/l	Range mg/l	Eff. Avg. mg/l	Range mg/l	% Rem Avg.
CBOD	209	146-266	5	3.7-9	98
Sus. Sol.	211	145-290	4	2-11	98
Ammonia	17	6-23	2.6	.5-6	84

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