

Engr 453
Type II Sedimentation HW assignment

Determine the overall removal rate of suspended solids from a 10 foot deep basin with an overflow rate of $1490 \text{ gal/ft}^2 \cdot \text{day}$ based on the settling column data presented in the table below.

Time (min)	Percent total suspended solids removed at indicated depth (feet)				
	1.0	2.0	4.0	6.0	8.0
20	53				
30	64	54			
40	72	62	53	50	
50	80	68	59	55	54
60	86	76	65	60	59
70		82	71	65	64
80		88	76	71	69
90			82	76	73
100			88	82	78
110				87	83
120					88