



**LEGEND**

————— MAIN PROCESS STREAM

----- SECONDARY PROCESS STREAM

----- SCUM STREAM

----- SLUDGE STREAM

**CAPE MAY REGIONAL WTF**  
 NJ 0020371

MATERIALS BALANCE 1990		SUMMER SOLIDS BALANCED 3.00 MGD				NON-SUMMER SOLIDS BALANCED 1.18 MGD			
STR. NO.	DESCRIPTION	FLOW MGD	SS. LBS./DAY	MLSS LBS./DAY	MLVSS LBS./DAY	FLOW MGD	SS. LBS./DAY	MLSS LBS./DAY	MLVSS LBS./DAY
1	PLANT INFILTRANT RAW WASTEWATER	3.000	240	290	240	240	240	290	240
2	PRIMARY CLARIFIER INFILTRANT	3.489	227	623	25	1.430	227	282	237
3	SECONDARY CLARIFIER INFILTRANT	3.211	104	275	664	1.285	102	1,085	171
4	SECONDARY CLARIFIER EFFLUENT	3.211	104	275	664	1.285	102	1,085	171
5	PLANT EFFLUENT	2.997	24	60	1,314	1.179	24	28	245
6	THICKENERS OVERFLOW	0.288	1,127	4,146		0.144	1,388	4,831	
7	SECONDARY SLUDGE	0.026	9,883	2,143		0.013	775	843	
8	DELUTION WATER	0.188	24	36		0.094	24	36	
9	THICKENED SLUDGE UNDERFLOW	0.014	46,724	5,886		0.0054	50,000	2,240	
10	CONCENTRATED SLUDGE TO BELT FILTER PRESSES	0.014	46,724	5,886		0.0054	50,000	2,240	
11	RECYCULATED FLOW	0.489	156	633		0.250	173	382	
12	THICKENERS OVERFLOW	0.488	220	916		0.245	122	250	