



**CHOCOMIA SEVEN MILE BEACH / MIDDLE WTF**

MATERIALS BALANCE		SUMMER SOLIDS				NON-SUMMER SOLIDS			
1985 DESIGN FLOW		7.71 MGD				2.21 MGD			
NO.	DESCRIPTION	FLOW MGD	S.S. WGT./VOL	BOO WGT./VOL	FLOW MGD	S.S. WGT./VOL	BOO WGT./VOL		
1	PLANT INFLUENT RAW WASTEWATER	7.670	240	290	2.160	290	290		
2	GRIT CHAMBER EFFLUENT	7.720	20,404	7,552	2.210	9,375	6,444		
3	PRIMARY CLARIFIER INFLUENT	8.720	289	283	482	315	315		
4	SECONDARY PROCESS INFLUENT	8.689	21,723	16,135	10,225	7,112	722		
5	SECONDARY CLARIFIER EFFLUENT	8.547	135	148	285	481	481		
6	PLANT EFFLUENT	7.710	9,719	13,375	2,687	4,681	4,976		
7	PRIMARY SLUDGE	0.048	24	25	24	24	25		
8	COMBINED SCUM	3880gpm	1,543	1,786	2.205	441	480		
9	SEPTAGE LEACHATE VIA TANK TRUCK	0.050	3,076	5,740	0.023	3,076	5,740		
10	SECONDARY SLUDGE	0.084	12,115	1,940	0.023	12,115	1,940		
11	DILUTION WATER	0.884	5,052	1,940	0.030	5,052	1,940		
12	THICKENED SLUDGE	0.050	1,074	5,574	0.042	1,074	5,574		
13	SLUDGE TO BELT FILTER PRESS	0.050	8,083	11,285	0.030	8,083	11,285		
14	RECICLE FLOW	1.000	5.0%	11,285	0.022	5.0%	11,285		
15	THICKENERS OVERFLOW	0.986	19,854	88	0.482	19,854	88		
16	FILTATE FROM SLUDGE BELT FILTER PRESSES	0.040	24	25	0.018	24	25		
17	SLUDGE CAKE	55 CU. YD.	25.0%	10,292	25 CU. YD.	25.0%	10,292		

**LEGEND**

———— MAIN PROCESS STREAM

----- SECONDARY PROCESS STREAM

----- SCUM STREAM

----- SLUDGE STREAM

**NOTE:** SOLIDS BALANCES FROM ORIGINAL CONSTRUCTION DRAWINGS. POA ENGINEERING COMPANY PROJECT 61730, DRAWINGS G-13 AND G-15, 7/2/82

**SEVEN MILE / MIDDLE REGIONAL WTF**  
 NJ 0052990