Appendix 3 A

Table 3.1

Maximization of Existing Flow

	December-11							
					CSO 018			
Day	Influent (gallons)	Peak Flow (gallons)	Rainfall (inches)	TSPS Peak Flow Rate, MGD	Start Time	Duration (Hours)	Stop Time	Volume (MG)
1	7,135,805	14,000,000		2,066,653				
2	6,391,042	12,000,000		769,223				
3	5,849,992	13,000,000		1,751,953				
4	9,476,143	25,000,000	0.65	4,441,009	2:40 AM	14.25	7:05 PM	3.2770
5	23,034,682	25,000,000	2.26	13,320,962				
6	13,599,405	19,000,000		4,540,312				
7	8,948,219	16,000,000		2,638,265				
8	7,488,428	11,000,000		2,163,023				
9	6,675,041	12,000,000		1,103,876				
10	6,119,729	12,000,000		1,266,721				
11	5,810,026	11,000,000		1,709,360				
12	5,852,940	11,000,000		1,762,185				
13	5,865,316	12,000,000		1,716,441				
14	5,463,415	19,000,000	0.01	1,744,326				
15	9,241,341	20,000,000	0.57	4,183,053				
16	6,136,690	11,000,000		797,748				
17	5,785,034	11,000,000		1,683,403				
18	5,631,689	13,000,000		1,650,751				
19	5,410,080	14,000,000	0.01	1,697,385				
20	5,518,589	20,000,000	0.07	1,675,723				
21	10,129,739	21,000,000	0.47	4,205,055	6:20 AM	1.5	8:10 AM	0.2188
22	10,314,947	24,000,000	0.53	4,359,543	3:25 PM	2.5	6:10 PM	0.0113
23	8,388,544	17,000,000		2,298,632				
24	6,621,259	16,000,000		1,728,436				
25	5,925,530	13,000,000		1,523,830				
26	5,807,415	20,000,000		1,543,583				
27	11,707,774	24,000,000	0.70	5,127,918				
28	7,554,122	14,000,000		2,006,208				
29	6,815,355	14,000,000		1,806,134				
30	6,371,907	13,000,000	0.01	1,695,773				
31	5,976,094	13,000,000		1,573,538				

SOURCE:

SAR #5

Appendix 3 A

Table 3.1

Maximization of Existing Flow

	January-12							
					CSO 018			
Day	Influent (gallons)	Peak Flow (gallons)	Rainfall (inches)	TSPS Peak Flow Rate, MGD	Start Time	Duration (Hours)	Stop Time	Volume (MG)
1	5,019,172	13,100,000		1,472,560				
2	5,592,131	13,000,000		1,510,062				
3	5,405,014	9,490,000		1,559,020				
4	5,521,835	12,080,000		1,260,802				
5	5,398,896	9,110,000		1,336,546				
6	5,363,220	13,500,000		1,473,871				
7	5,218,748	11,150,000		1,437,514				
8	5,109,868	10,290,000		1,500,732				
9	4,946,204	10,840,000		1,506,862				
10	4,643,170	16,820,000		740,096				
11	10,456,059	23,420,000	0.94	4,455,500	6:35 am	1.25	8:00 am	0.0639
12	7,919,886	18,710,000	0.05	2,094,379				
13	6,167,997	15,970,000	0.01	1,331,397				
14	5,541,067	13,760,000		1,302,928				
15	5,216,858	14,080,000		1,292,542				
16	5,637,045	13,790,000		1,348,385				
17	8,269,862	20,910,000	0.36	2,391,845				
18	6,015,037	14,210,000		1,480,257				
19	5,842,028	15,730,000		1,437,699				
20	5,322,432	12,650,000	0.01	1,358,167				
21	5,346,284	13,250,000		1,330,013				
22	5,346,284	15,750,000	0.06	1,330,013				
23	10,391,562	21,320,000	0.58	2,945,188	2:50 am	2.5	6:20 am	0.4395
24	6,538,438	14,280,000		1,496,434				
25	6,784,711	15,930,000	0.23	1,661,868				
26	14,937,101	27,440,000	1.54	3,343,249	5:45 am	6.25	12:10 pm	2.3674
27	14,800,976	27,330,000	0.05	3,191,319				
28	8,551,629	15,370,000	0.01	1,959,925				
29	7,396,237	16,930,000		1,658,666				
30	6,903,714	14,130,000		1,591,536				
31	6,298,806	14,770,000	0.02	1,396,169				

Appendix 3 A

Table 3.1

Maximization of Existing Flow

	February-12							
					CSO 018			
Day	Influent (gallons)	Peak Flow (gallons)	Rainfall (inches)	TSPS Peak Flow Rate, MGD	Start Time	Duration (Hours)	Stop Time	Volume (MG)
1	6,386,134	14,690,000	0.04	1,606,048				
2	6,027,253	12,840,000		1,434,910				
3	5,525,481	14,550,000	0.04	1,345,134				
4	7,820,702	22,060,000	0.34	2,151,298	9:20 AM	1.00	10:20 AM	0.3000
5	6,558,694	14,580,000	0.01	1,537,431				
6	6,081,286	16,200,000		1,537,431				
7	5,844,965	15,960,000		710,167				
8	5,984,618	14,810,000		169,562				
9	5,201,309	14,370,000		430,752				
10	5,360,565	17,150,000		504,992				
11	5,012,738	12,880,000		1,245,627				
12	4,958,703	12,510,000		1,221,211				
13	5,234,654	13,140,000		1,321,285				
14	5,998,995	13,910,000	0.19	1,673,650				
15	5,300,306	13,390,000	0.05	1,332,712				
16	6,869,201	16,910,000	0.23	3,984,923				
17	4,970,005	16,980,000		2,795,016				
18	5,433,731	19,130,000		1,988,073				
19	5,061,563	13,640,000		1,258,187				
20	5,229,867	14,780,000		1,247,340				
21	5,704,858	17,440,000	0.09	1,555,467				
22	5,355,502	17,490,000	0.14	1,525,175				
23	6,012,295	18,200,000		1,656,815				
24	5,082,993	13,050,000		1,307,164				
25	4,783,696	13,020,000		1,196,683				
26	4,809,085	12,840,000		1,203,191				
27	4,868,352	13,030,000		1,240,366				
28	4,732,666	13,210,000		1,240,366				
29	7,654,530	21,520,000	0.43	3,958,772	5:00 AM	2.75	7:45 AM	0.4000
30								
31								

Appendix 3 A

Table 3.1

Maximization of Existing Flow

	March-12							
					CSO 018			
Day	Influent (gallons)	Peak Flow (gallons)	Rainfall (inches)	TSPS Peak Flow Rate, MGD	Start Time	Duration (Hours)	Stop Time	Volume (MG)
1	5,403,343	15,580,000		1,383,258				
2	6,370,136	16,860,000	0.09	1,534,328				
3	6,175,625	14,130,000		1,261,119				
4	5,833,365	13,630,000	0.20	1,272,255				
5	7,678,000	16,340,000	0.01	2,385,000				
6	6,502,137	15,500,000	0.31	1,012,783				
7	5,724,047	15,500,000		1,139,067				
8	9,152,554	21,110,000	0.63	1,414,800	12:30 PM	2.50	3:00 PM	0.7305
9	7,591,000	16,050,000		1,089,000				
10	6,261,351	15,250,000		1,088,557				
11	5,770,913	15,920,000		2,669,447				
12	6,631,220	16,120,000	0.17	1,290,559				
13	5,757,129	15,270,000		1,561,869				
14	5,513,510	15,330,000	0.03	2,065,502				
15	6,837,465	20,970,000	0.31	2,822,434				
16	10,444,900	21,200,000		2,101,353				
17	8,269,189	21,210,000	0.37	1,966,344	6:45 PM	4.25	11:15 PM	0.0753
18	7,503,190	17,680,000	0.02	1,655,322				
19	6,555,185	16,370,000		1,643,346				
20	5,870,313	15,710,000		1,680,984				
21	5,614,447	15,430,000		1,605,054				
22	5,417,228	15,140,000	0.01	3,651,240				
23	12,754,608	25,270,000	1.68	2,006,120	5:30 AM	6.25	12:00 PM	1.3234
24	12,826,370	24,670,000		748,190				
25	7,529,681	17,050,000		3,221,957				
26	6,483,208	16,920,000		2,006,120				
27	5,986,932	15,040,000		748,090				
28	5,997,174	13,870,000		no data				
29	5,414,311	13,040,000		no data				
30	5,188,739	13,540,000	0.06	no data				
31	6,196,259	14,790,000	0.14	no data				

Appendix 3 A

Table 3.1

Maximization of Existing Flow

	April-12							
					CSO 018			
Day	Influent (gallons)	Peak Flow (gallons)	Rainfall (inches)	TSPS Peak Flow Rate, MGD	Start Time	Duration (Hours)	Stop Time	Volume (MG)
1	10,708,228	21,630,000	1.40	no data	7:00 AM	2.00	9:00 AM	2.2000
2	8,295,576	15,300,000		no data				
3	6,645,395	14,420,000		no data				
4	7,779,932	16,040,000	0.18	no data				
5	7,660,180	16,170,000		no data				
6	6,220,755	15,390,000		592,425				
7	5,620,498	15,260,000		1,199,056				
8	5,365,360	15,180,000		1,159,976				
9	5,317,918	15,000,000		1,159,976				
10	5,159,125	15,710,000		2,413,622				
11	4,959,270	15,710,000		1,148,418				
12	4,876,914	15,190,000		1,151,070				
13	4,780,062	15,360,000		1,153,493				
14	5,366,960	15,620,000	0.20	1,298,021				
15	5,161,168	16,610,000		1,131,866				
16	5,362,199	15,550,000	0.04	1,283,363				
17	4,902,601	15,460,000		1,196,362				
18	5,001,336	16,580,000		1,135,862				
19	5,151,464	15,810,000		1,144,814				
20	4,905,988	16,350,000	0.10	1,179,907				
21	5,421,211	16,240,000	0.09	1,466,311				
22	4,840,958	15,500,000		1,079,000				
23	4,609,595	15,350,000		1,128,609				
24	4,708,099	18,070,000	0.05	1,116,612				
25	4,580,783	15,510,000	0.02	1,106,043				
26	4,650,787	15,100,000	0.02	1,162,417				
27	4,375,612	14,860,000		1,087,616				
28	4,989,706	17,070,000	0.51	1,316,958	7:30 PM	1.00	8:30 PM	0.3025
29	5,066,631	14,930,000	0.13	999,483				
30	5,407,121	17,070,000	0.53	1,263,904	5:45 PM	1.50	7:15 PM	0.3025
31								

Appendix 3 A

Table 3.1

Maximization of Existing Flow

	May-12							
					CSO 018			
Day	Influent (gallons)	Peak Flow (gallons)	Rainfall (inches)	TSPS Peak Flow Rate, MGD	Start Time	Duration (Hours)	Stop Time	Volume (MG)
1	5,540,093	15,120,000		no data				
2	5,032,295	14,890,000		no data				
3	4,749,125	14,840,000		no data				
4	4,884,772	14,310,000	0.07	no data				
5	9,346,704	19,930,000	1.05	no data				
6	5,919,988	14,090,000		no data				
7	5,514,087	14,620,000	0.04	no data				
8	4,953,423	14,450,000		no data				
9	3,975,609	14,310,000		no data				
10	3,502,590	13,690,000		no data				
11	3,453,646	13,310,000		no data				
12	3,593,802	17,780,000		no data				
13	7,918,684	15,550,000	2.05	no data	12:50 AM	6.0	6:50 AM	2.3674
14	5,803,723	12,490,000	0.01	no data				
15	4,682,559	12,710,000		no data				
16	4,894,826	16,200,000	0.25	no data				
17	4,892,065	14,820,000		no data				
18	3,975,901	13,670,000		no data				
19	3,770,886	13,430,000		no data				
20	3,788,077	12,970,000		no data				
21	3,623,794	10,540,000		no data				
22	2,535,444	9,000,000		no data				
23	2,150,598	9,000,000		no data				
24	2,057,990	9,000,000		no data				
25	2,181,323	8,500,000		no data				
26	2,223,094	8,000,000		no data				
27	2,501,580	8,500,000		no data				
28	7,442,339	50,000,000		no data				
29	5,254,156		2.27	no data	6:25 AM	3.00	9:25 AM	2.5010
30	5,676,399		0.01	no data				
31			0.75	no data	6:00 PM	6.00	12:00 AM	0.7010