Appendix
**Table 3.1**
**Maximization of Existing Flow**

| Day | December-12 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | CSO 018 | | | |
| | Influent (gallons) | Peak Flow (gallons) | Rainfall (inches) | TSPS Peak Flow Rate, MGD | Start Time | Duration (Hours) | Stop Time | Volume (MG) |
| 1 | 4,528.313 | 10.830 | 0.00 | | 10:55 AM | 2.00 | 12:55 PM | 0.9576 |
| 2 | 5,852.946 | 41.600 | 0.37 | | | | | |
| 3 | 5,035.946 | 17.650 | 0.00 | | 2:45 PM | 1.50 | 4:15 PM | 0.1704 |
| 4 | 8,681.151 | 38.960 | 0.67 | | | | | |
| 5 | 5,297.338 | 11.180 | 0.00 | | 9:20 PM | 0.50 | 10:10 PM | 0.0980 |
| 6 | 5,202.638 | 16.370 | 0.13 | | 1:50 AM | 6.00 | 7:50 AM | 0.3202 |
| 7 | 14,342.710 | 50.000 | 0.93 | | 5:25 AM | 3.00 | 8:25 AM | 0.4577 |
| 8 | 9,471.601 | 30.850 | 0.25 | | 9:30 PM | 2.00 | 11:30 PM | 2.2000 |
| 9 | 9,028.939 | 50.000 | 1.08 | | | | | |
| 10 | 15,452.100 | 50.000 | 0.09 | | | | | |
| 11 | 7,915.055 | 40.700 | 0.00 | | | | | |
| 12 | 5,768.011 | 10.850 | 0.00 | | | | | |
| 13 | 5,509.706 | 10.540 | 0.00 | | | | | |
| 14 | 5,260.049 | 19.780 | 0.00 | | | | | |
| 15 | 6,290.238 | 35.850 | 0.19 | | | | | |
| 16 | 5,382.534 | 10.900 | 0.00 | | | | | |
| 17 | 7,593.107 | 35.130 | 0.14 | | | | | |
| 18 | 6,467.196 | 16.020 | 0.00 | | | | | |
| 19 | 5,905.755 | 11.370 | 0.00 | | 6:30 AM | 4.00 | 10:30 AM | 0.2290 |
| 20 | 12,968.700 | 50.000 | 0.70 | | | | | |
| 21 | 7,443.066 | 12.660 | 0.00 | | | | | |
| 22 | 5,684.917 | 11.030 | 0.00 | | | | | |
| 23 | 5,684.917 | 12.440 | 0.00 | | | | | |
| 24 | 5,517.709 | 10.960 | 0.04 | | | | | |
| 25 | 4,863.106 | 11.170 | 0.00 | | 3:15 AM | 6.00 | 9:15 AM | 1.2400 |
| 26 | 14,630.960 | 50.000 | 0.77 | | | | | |
| 27 | 7,879.279 | 14.290 | 0.00 | | | | | |
| 28 | 6,434.792 | 20.670 | 0.03 | | | | | |
| 29 | 8,074.841 | 16.760 | 0.00 | | | | | |
| 30 | 6,285.236 | 11.970 | 0.01 | | | | | |
| 31 | 6,016.825 | 19.670 | 0.20 | | | | | |

SOURCE:
SAR #7

Appendix _ .

**Table 3.1**

**Maximization of Existing Flow**

| Day | January-13 | | | | | | | | February-13 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CSO 018 | | | | | | | | CSO 018 | | | |
| | Influent (gallons) | Peak Flow (gallons) | Rainfall (inches) | TSPS Peak Flow Rate, MGD | Start Time | Duration (Hours) | Stop Time | Volume (MG) | Influent (gallons) | Peak Flow (gallons) | Rainfall (inches) | TSPS Peak Flow Rate, MGD | Start Time | Duration (Hours) | Stop Time | Volume (MG) |
| 1 | 7,526.393 | 10.66 | 0.07 | | | | | | 6146.789 | 16.06 | 0.00 | | | | | |
| 2 | 6,184.729 | 18.99 | 0.00 | | | | | | 6150.718 | 10.97 | 0.04 | | | | | |
| 3 | 5,907.263 | 17.47 | 0.00 | | | | | | 6055.486 | 11.79 | 0.00 | | | | | |
| 4 | 5,548.374 | 19.50 | 0.00 | | | | | | 6977.205 | 25.59 | 0.11 | | | | | |
| 5 | 5,243.916 | 15.88 | 0.00 | | | | | | 6612.312 | 11.52 | 0.00 | | | | | |
| 6 | 5,457.208 | 11.84 | 0.00 | | | | | | 6087.392 | 15.97 | 0.00 | | | | | |
| 7 | 5,221.910 | 32.34 | 0.00 | | | | | | 6008.539 | 11.39 | 0.00 | | | | | |
| 8 | 5,151.508 | 10.78 | 0.00 | | | | | | 6545.110 | 12.00 | 0.09 | | | | | |
| 9 | 5,201.428 | 15.94 | 0.01 | | | | | | 5953.175 | 14.72 | 0.00 | | | | | |
| 10 | 5,708.571 | 43.00 | 0.13 | | | | | | 6204.561 | 28.97 | 0.15 | | | | | |
| 11 | 11,066.560 | 45.09 | 0.63 | | 5:40 AM | 0.50 | 6:30 AM | 0.0160 | 6204.561 | 14.61 | 0.00 | | | | | |
| 12 | 6,857.268 | 50.00 | 0.01 | | | | | | 6102.350 | 11.80 | 0.00 | | | | | |
| 13 | 28,116.930 | 50.00 | 2.21 | | 2:55 AM | 2.75 | 5:40 AM | 0.1127 | 6368.754 | 11.41 | 0.08 | | | | | |
| 14 | 14,047.780 | 33.49 | 0.01 | | | | | | 5877.199 | 15.85 | 0.00 | | | | | |
| 15 | 8,535.746 | 35.00 | 0.00 | | | | | | 5619.099 | 12.10 | 0.00 | | | | | |
| 16 | 8,691.079 | 21.16 | 0.05 | | | | | | 5521.876 | 16.56 | 0.00 | | | | | |
| 17 | 7,450.043 | 38.61 | 0.10 | | | | | | 5640.140 | 10.45 | 0.00 | | | | | |
| 18 | 6,751.375 | 11.88 | 0.00 | | | | | | 5803.589 | 18.10 | 0.13 | | | | | |
| 19 | 6,643.808 | 15.94 | 0.00 | | | | | | 7557.085 | 26.84 | 0.15 | | | | | |
| 20 | 6,165.211 | 16.21 | 0.00 | | | | | | 5521.770 | 11.51 | 0.00 | | | | | |
| 21 | 6,231.190 | 11.22 | 0.00 | | | | | | 5470.627 | 45.81 | 0.08 | | | | | |
| 22 | 5,718.261 | 14.93 | 0.00 | | | | | | 9569.840 | 11.00 | 0.32 | | 12:00 AM | 3.25 | 3:25 AM | 0.2356 |
| 23 | 5,588.492 | 10.79 | 0.00 | | | | | | 6302.986 | 16.00 | 0.00 | | | | | |
| 24 | 5,588.492 | 10.64 | 0.00 | | | | | | 5818.145 | 16.02 | 0.00 | | | | | |
| 25 | 5,432.599 | 34.13 | 0.00 | | | | | | 5818.145 | 16.00 | 0.00 | | | | | |
| 26 | 5,416.377 | 10.47 | 0.00 | | | | | | 11509.130 | 36.58 | 0.59 | | 5:45 AM | 5.75 | 11:25 AM | 1.3657 |
| 27 | 5,556.039 | 17.63 | 0.11 | | | | | | 8216.409 | 11.53 | 0.01 | | | | | |
| 28 | 6,726.682 | 19.21 | 0.14 | | | | | | 7019.705 | 16.00 | 0.00 | | | | | |
| 29 | 6,194.063 | 50.00 | 0.00 | | | | | | 5,349,000 | 10.00 | 0.00 | | | | | |
| 30 | 15,599.360 | 45.00 | 1.08 | | 4:35 AM | 1.00 | 5:35 AM | 0.1408 | 5,020,000 | 10,000,000 | | | | | | |
| 31 | 8,210.048 | 12.70 | 0.00 | | | | | | | | | | | | | |

Appendix

**Table 3.1**

**Maximization of Existing Flow**

| Day | March-13 | | | | | | | | April-13 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CSO 018 | | | | | | | | CSO 018 | | | |
| | Influent (gallons) | Peak Flow (gallons) | Rainfall (inches) | TSPS Peak Flow Rate, MGD | Start Time | Duration (Hours) | Stop Time | Volume (MG) | Influent (gallons) | Peak Flow (gallons) | Rainfall (inches) | TSPS Peak Flow Rate, MGD | Start Time | Duration (Hours) | Stop Time | Volume (MG) |
| 1 | 6398.509 | 31.57 | 0.04 | | | | | | 6088.748 | 10.77 | 0 | | | | | |
| 2 | 6332.374 | 11.2 | 0.01 | | | | | | 5822.343 | 15.34 | 0 | | | | | |
| 3 | 6180.894 | 14.92 | 0 | | | | | | 5704.211 | 13.55 | 0 | | | | | |
| 4 | 6135.350 | 12.25 | 0 | | | | | | 5388.380 | 11.1 | 0 | | | | | |
| 5 | 8312.372 | 20.91 | 0.42 | | 3:45 PM | 1.00 | 4:45 PM | 0.7305 | 5388.380 | 15.5 | 0 | | | | | |
| 6 | 7483.302 | 15.09 | 0 | | | | | | 5507.708 | 13.77 | 0 | | | | | |
| 7 | 6391.425 | 12 | 0 | | | | | | 5394.887 | 18.23 | 0 | | | | | |
| 8 | 6174.749 | 16.42 | 0 | | | | | | 5809.554 | 18.35 | 0 | | | | | |
| 9 | 6340.878 | 11.32 | 0 | | | | | | 5431.386 | 10.32 | 0 | | | | | |
| 10 | 6133.113 | 25 | 0.02 | | | | | | 5417.314 | 15.35 | 0 | | | | | |
| 11 | 15117.910 | 39.52 | 0.97 | | 3:00 AM | 6.50 | 9:50 AM | 1.3234 | 10740.200 | 39.36 | 1.06 | | 3:45 AM | 2.00 | 5:45 AM | 0.2065 |
| 12 | 8755.562 | 12.68 | 0 | | | | | | 8269.703 | 20.2 | 0.05 | | | | | |
| 13 | 7304.005 | 36.13 | 0.01 | | | | | | 6136.002 | 11.22 | 0 | | | | | |
| 14 | 6778.297 | 11.54 | 0 | | | | | | 6109.016 | 11.31 | 0 | | | | | |
| 15 | 6387.947 | 15 | 0 | | | | | | 5891.607 | 19.66 | 0 | | | | | |
| 16 | 6380.519 | 16.1 | 0.01 | | | | | | 6426.683 | 43.97 | 0.25 | | 7:55 PM | 1.00 | 8:55 PM | 0.1350 |
| 17 | 13169.980 | 39.56 | 1.09 | | 10:30 AM | 4.25 | 2:45 PM | 0.0735 | 6596.955 | 18.1 | 0.06 | | | | | |
| 18 | 18440.410 | 38 | 0.67 | | | | | | 6004.194 | 19.53 | 0 | | | | | |
| 19 | 9860.556 | 12.94 | 0 | | | | | | 13069.490 | 46.81 | 1.05 | | 2:00 AM | 1.00 | 3:00 AM | 0.1562 |
| 20 | 7955.659 | 15.63 | 0 | | | | | | 7159.536 | 18.74 | 0 | | | | | |
| 21 | 7210.148 | 16 | 0 | | | | | | 6347.303 | 12.39 | 0 | | | | | |
| 22 | 6553.004 | 33.12 | 0 | | | | | | 6281.559 | 15.99 | 0 | | | | | |
| 23 | 6369.401 | 15.55 | 0 | | | | | | 6322.730 | 12.05 | 0 | | | | | |
| 24 | 9091.229 | 34.05 | 0.46 | | 7:20 AM | 1.50 | 8:50 AM | 0.3503 | 10841.080 | 41.28 | 0.79 | | 10:15 AM | 1.00 | 11:15 AM | 1.5431 |
| 25 | 8042.716 | 15.88 | 0 | | | | | | 7211.155 | 19.86 | 0 | | | | | |
| 26 | 6822.738 | 15.88 | 0 | | | | | | 5969.810 | 22.36 | 0 | | | | | |
| 27 | 6449.455 | 11.12 | 0 | | | | | | 6064.942 | 18.89 | 0.03 | | | | | |
| 28 | 6143.192 | 17 | 0 | | | | | | 6288.530 | 11.12 | 0.02 | | | | | |
| 29 | 6259.051 | 10.55 | 0 | | | | | | 6204.884 | 11.35 | 0 | | | | | |
| 30 | 6023.462 | 15.51 | 0 | | | | | | 6124.042 | 16.1 | 0.01 | | | | | |
| 31 | 6235.001 | 10.77 | 0.06 | | | | | | | | | | | | | |

Appendix _

**Table 3.1**

**Maximization of Existing Flow**

| Day | May-13 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Influent (gallons) | Peak Flow (gallons) | Rainfall (inches) | TSPS Peak Flow Rate, MGD | CSO 018 | | | |
| | | | | | Start Time | Duration (Hours) | Stop Time | Volume (MG) |
| 1 | 5610.277 | 10.89 | 0.00 | | | | | |
| 2 | 5586.985 | 16.02 | 0.00 | | | | | |
| 3 | 6170.064 | 13.68 | 0.06 | | 11:55 PM | 0.50 | 12:45 AM | 0.0200 |
| 4 | 7620.879 | 20.96 | 0.53 | | 11:50 PM | 3.00 | 2:50 AM | 0.2533 |
| 5 | 12794.290 | 37.89 | 0.72 | | | | | |
| 6 | 8227.313 | 15.09 | 0.05 | | | | | |
| 7 | 6885.105 | 19.42 | 0.02 | | | | | |
| 8 | 6340.130 | 16.34 | 0.00 | | | | | |
| 9 | 6209.289 | 11.31 | 0.00 | | | | | |
| 10 | 10110.750 | 48.09 | 0.83 | | 12:30 PM | 5.00 | 5:30 PM | 0.0493 |
| 11 | 10543.260 | 49.84 | 0.12 | | | | | |
| 12 | 7000.713 | 16.64 | 0.00 | | | | | |
| 13 | 6595.548 | 11.44 | 0.00 | | | | | |
| 14 | 6455.810 | 13.35 | 0.00 | | | | | |
| 15 | 6113.461 | 15.83 | 0.00 | | | | | |
| 16 | 6493.351 | 47.22 | 0.17 | | | | | |
| 17 | 5959.165 | 16.13 | 0.00 | | | | | |
| 18 | 5859.775 | 10.94 | 0.00 | | | | | |
| 19 | 5831.747 | 11.70 | 0.00 | | | | | |
| 20 | 4871.769 | 16.68 | 0.00 | | | | | |
| 21 | 6099.917 | 15.10 | 0.00 | | | | | |
| 22 | 5820.867 | 16.19 | 0.02 | | | | | |
| 23 | 5782.276 | 10.98 | 0.00 | | | | | |
| 24 | 5456.075 | 10.87 | 0.00 | | | | | |
| 25 | 5191.304 | 16.65 | 0.00 | | | | | |
| 26 | 5237.161 | 10.94 | 0.03 | | | | | |
| 27 | 5174.431 | 16.17 | 0.00 | | | | | |
| 28 | 5428.516 | 12.04 | 0.00 | | | | | |
| 29 | 5426.314 | 11.27 | 0.00 | | | | | |
| 30 | 5252.313 | 15.74 | 0.00 | | | | | |
| 31 | 6237.043 | 26.91 | 0.26 | | | | | |