# APPENDIX 5A

# FUTURE CONDITION FLOW AND WASTELOAD ANALYSIS

**1) Billable Flow & Wasteloads**

| | Existing Condition | | | 2006 Projected Condition | | | Revised 2020 Baseline | | | % Change from 1999-2003 to Revised 2020 Baseline | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Billable Components** | **Ave Flow** | **Ave BOD** | **Ave TSS** | **Ave Flow** | **Ave BOD** | **Ave TSS** | **Ave Flow** | **Ave BOD** | **Ave TSS** | Flow | BOD | TSS |
| | **(MGD)** | **(lb/d)** | **(lb/d)** | **(MGD)** | **(lb/d)** | **(lb/d)** | **(MGD)** | **(lb/d)** | **(lb/d)** | (MGD) | (lb/d) | (lb/d) |
| Residential | 59.6 | 154,000 | 184,000 | 57.1 | 148,000 | 176,000 | 64.4 | 168,000 | 200,000 | 8.2% | 9.1% | 8.7% |
| Commercial | 39.3 | 98,000 | 117,000 | 36.8 | 93,000 | 111,000 | 41.7 | 105,000 | 125,000 | 6.2% | 7.1% | 6.8% |
| Industrial | 17.2 | 138,000 | 71,000 | 14.6 | 92,000 | 59,000 | 17.2 | 106,000 | 66,000 | 0.2% | -23.2% | -7.0% |
| **Total** | **116.0** | **390,000** | **372,000** | **108.6** | **333,000** | **346,000** | **123.4** | **379,000** | **391,000** | **6.3%** | **-2.8%** | **5.1%** |

**2) WWTP Flow & Wasteloads**

| | Existing Condition | | | 2006 Projected Condition | | | Revised 2020 Baseline | | | Design Loadings | | | % Change from 1999-2003 to Revised 2020 Baseline | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Treatment Plant | Flow (MGD) | BOD (lb/d) | TSS (lb/d) | Flow (MGD) | BOD (lb/d) | TSS (lb/d) | Flow (MGD) | BOD (lb/d) | TSS (lb/d) | Flow (MGD) | BOD (lb/d) | TSS (lb/d) | Flow (MGD) | BOD (lb/d) | TSS (lb/d) |
| ***Jones Island WWTP*** | | | | | | | | | | | | | | | |
| Average Day | 101.5 | 264,000 | 225,000 | 82.3 | 193,000 | 186,000 | 98.8 | 232,000 | 220,000 | 123 | 299,000 | 314,000 | -2.7% | -12.1% | -2.2% |
| Maximum Day | 354 | **769,000** | **1,448,000** | 360 | 321,000 | 573,000 | 360 | **705,000** | **1,446,000** | 360 | 687,000 | 722,000 | 1.7% | -8.3% | -0.1% |
| Maximum Week | | 417,000 | **734,000** | | 229,000 | 288,000 | | 374,000 | **735,000** | | 478,000 | 534,000 | | -10.3% | 0.1% |
| Maximum Month | | 369,000 | **529,000** | | 217,000 | 220,000 | | 331,000 | **526,000** | | 388,000 | 440,000 | | -10.3% | -0.6% |
| ***South Shore WWTP*** | | | | | | | | | | | | | | | |
| Average Day | 101.6 | 149,000 | 193,000 | 89.3 | 163,000 | 179,000 | **115.7** | 171,000 | 223,000 | 113 | 224,000 | 266,000 | 13.9% | 14.8% | 15.5% |
| Maximum Day | **307** | 470,000 | **842,000** | **300** | 481,000 | 443,000 | **300** | **535,000** | **951,000** | 250 | 515,200 | 611,800 | -2.3% | 13.8% | 12.9% |
| Maximum Week | | 249,000 | **505,000** | | 261,000 | 364,000 | | 284,000 | **570,000** | | 336,000 | 452,200 | | 14.1% | 12.9% |
| Maximum Month | | 193,000 | 283,000 | | 199,000 | 252,000 | | 220,000 | 320,000 | | 291,200 | 372,400 | | 14.0% | 13.1% |
| ***Total - Both WWTP*** | | | | | | | | | | | | | | | |
| Average Day | 203.1 | 413,000 | 418,000 | 171.5 | 356,000 | 365,000 | 214.5 | 403,000 | 443,000 | 236 | 523,000 | 580,000 | 5.6% | -2.4% | 6.0% |
| Maximum Day | **661** | **1,239,000** | **2,290,000** | **660** | 802,000 | 1,016,000 | **660** | **1,240,000** | **2,397,000** | 610 | 1,202,200 | 1,333,800 | -0.2% | 0.1% | 4.7% |
| Maximum Week | | 666,000 | **1,239,000** | | 490,000 | 652,000 | | 658,000 | **1,305,000** | | 814,000 | 986,200 | | -1.2% | 5.3% |
| Maximum Month | | 562,000 | 812,000 | | 416,000 | 472,000 | | 551,000 | **846,000** | | 679,200 | 812,400 | | -2.0% | 4.2% |

NOTES:

1) Explanations for the determination of all values are discussed in Table 5A-2, Revised 2020 Baseline Flow and Wasteload Development Procedure.

2) All **bold** values exceed plant design capacity

3) The sum of the rounded components may not equal the total due to rounding.

4) The values presented under "% Change from 1999-2003 to Revised 2020 Baseline" are based on the change in the calculated values and not the rounded components presented and so may not equal the % change of the rounded values.

5) Maximum day design flow listed for JIWWTP under Item No. 2, WWTP Flow & Wasteloads includes the additional 60 MGD of allowable blending per WPDES permit.

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TABLE 5A-1

**EXISTING AND FUTURE AVERAGE AND PEAK FLOWS AND LOADS**

2020 TREATMENT REPORT

5/28/07 TR_5A.T001.07.05.28.cdr

***1) Existing Flows & Wasteloads***

**Billable Flows and Wasteloads (Average Day only)**
Billable Flows and Wasteloads were taken from the MMSD Accounting Data
Existing Values listed are the average of 1999-2003 values and were developed in
Appendix 4A, MMSD *Annual Average Flows & Wasteloads Review*

Section 5 of the annual MMSD Cost Recovery Procedures Manual defines the classes in detail; however, some notes:
1) Non-certified included both commerical and industrial customers who do not produce a process stream. All waste is discharged to MMSD sewers at domestic strength
2) Certified commerial and industrial customers produce process waste that is monitored

It was determined for this analysis that Commercial is the total of Certified Commercial and Non-certified to compare to Conveyance Base Sanitary Flow (BSF) data generated

**WWTP Flows and Wasteloads - Ave Day, Max Day, Max Rolling Week**
JIWWTP and SSWWTP wasteloads are the average of 1999-2003 Daily Monitoring Reports (DMRs) and UWS Daily Wastewater Operating Reports (DWORs) recorded values. The spreadsheet used to generate these numbers can be found under Table 5A-6, Existing Condition WWTP Flows and Wasteloads

**2) 2006 Condition Flows & Wasteloads Reduction from Loss of Major Industry**

The effect of Le Saffre Yeast leaving the system at the end of 2005 was determined.
Data used to determine Future Condition Without Major Industry is presented in Table 5A-8, LeSaffre Yeast Data
**NOTE:** Major user only effects influent industrial flows and loads under the billable analysis and only at JIWWTP (not SSWWTP) for the WWTP analysis

LeSaffre Loading Estimates:

Notes:
Average Flow, BOD and TSS values were taken from the monthly bills 2002 - 4/2005
Maximum Day Flow was taken from the monthly bills as well since daily values are not available - 2002 - 4/2005
Maximum BOD & TSS values were taken from the intermittent testing data from the MMSD lab from 2002 - 4/2004 (54 data points)
LeSaffre has two major sewer discharges - Connection 5 and Connection 8 - the two connections were summed together to get total loading information
Maximum Week Data was determined by taking a 7 day average of all the data that was available

| LeSaffre Yeast | Flow (MGD) | BOD (lb/d) | TSS (lb/d) |
|---|---|---|---|
| Average Day | 0.80 | 34,000 | 8,000 |
| Maximum Day | 1.07 | 78,000 | 25,000 |
| Maximum Week | | 50,000 | 11,000 |
| Maximum Month | | 44,000 | 11,000 |

To determine 2006 Condition flows and wasteloads:
a) Billable Flow and Wasteloads: All flows and wasteloads are from 2005 budgeted values- only change is that LeSaffre data was deleted from industrial user values
b) WWTP Flows and Wasteloads: 2006 Flows and Wasteloads were assumed to be the 2005 data and the Le Saffre Yeast data was subtracted only from the JIWWTP flow and wasteload values
c) The JIWWTP Maximum Day flow was assumed to be the design maximum day flow with allowable blending capacity and the SSWWTP Maximum Day Flow was assumed to be the design peak hour because the plants are operated to hold capacity around these flows and there is no planned change in the operation of the WWTPs. JIWWTP maximum flow is with blending but it should be noted that it is assumed the blended flow would be flow pumped from the ISS Pump Station directly to disinfection and would not go through the entire plant. Blending will be handled in the Appendix 5C, *MMSD System Revised 2020 Baseline Mass Balance Analysis*.

***3) Revised 2020 Baseline Flows & Wasteloads***

**a) WWTP Average and Maximum Day Flows**
AVERAGE DAY: Year 2020 average day flows developed from Conveyance Modeling - 10 yr simulation using Revised 2020 Baseline Condition population and land use projections

- Sewersheds are tributary to either JIWWTP or SSWWTP. However, flows from some sewersheds can be directed to either WWTP. These sewersheds are designated as BOTH - During average day conditions, assumed flow from sewersheds designated as BOTH went to JIWWTP.
- Le Saffre Yeast flow subtracted from JIWWTP flow

MAXIMUM DAY: No expansions planned at treatment plants - used flows as listed in #2c above.

**b) Base Sanitary Flow - I/I Utilization**
The incremental increase between Existing and Revised 2020 Baseline Conditions in each of the sewersheds was utilized to calculate Billable Flow, BOD and TSS, and WWTP Average Day, Max Day and Max Week BOD and TSS.
The analysis is presented in Table 5A-5, Base Sanitary Flow and I/I Analysis - Comparison of Current (2000) to Revised 2020 Baseline Conditions.
The Current (2000) Condition data are shown in blue and the Revised 2020 Baseline Condition data are shown in green for each of the sewersheds. The sewershed information and the FLOW (generation rates, pop, acre, etc) information was provided by 2020 Facilities Plan Conveyance Modeling. The information was generated from the base sewershed data in Flow Forecasting System (FFS), an HSPF modeling program.

The BOD & TSS information for both Current (2000) and Revised 2020 Baseline Conditions was developed from the flows given using the following unit factors:

Residential - Section 1, p 1-2, *2004 MMSD Cost Recovery Procedures Manual*

| | |
|---|---|
| BOD | 0.176 pounds/capita/day |
| TSS | 0.21 pounds/capita/day |

Commercial-Industrial - Actual **2003** Flows & Wasteloads
from MMSD Accounting Data found in Appendix 4A, *MMSD Annual Average Flow and Wasteload Review*

| | Flow (1000 gal/yr) | BOD (lbs/yr) | UNIT BOD (lbs/1000 gal) | TSS (lbs/yr) | UNIT TSS (lbs/1000 gal) |
|---|---|---|---|---|---|
| Non-Certified | 11,966,565 | 30,938,356 | **2.58540** | 36,926,425 | **3.08580** |
| Certified Commerical | 2,122,312 | 4,477,657 | 2.10980 | 5,223,042 | 2.46102 |
| Certified Industrial | 5,680,189 | 45,848,941 | 8.07173 | 25,659,572 | 4.51738 |

For Revised 2020 Baseline Condition wasteload increase estimates, the non-certified lb/gal waste loadings shown **bolded** will be applied to all commerical and industrial flows. Did not use certified commericial or industrial unit values since the assumption was that these are major users which would fall under point sources. Point sources do not need a loading to be applied because the flows (and therefore wasteloads as well) are not projected to increase, so using the unit values generated from the certified users would skew the BOD & TSS loadings for commerical and industrial users.

Inflow/Infiltration - Estimated **2003** Flows & Wasteloads - from MMSD
from MMSD Accounting Data found in Appendix 4A, *MMSD Annual Average Flow and Wasteload Review*

| | Flow (1000 gal/yr) | BOD (lbs/yr) | UNIT BOD (lbs/1000 gal) | TSS (lbs/yr) | UNIT TSS (lbs/1000 gal) |
|---|---|---|---|---|---|
| Infiltration/Inflow (I/I) | 36,865,000 | 10,654,350 | 0.289 | 42,617,400 | 1.156 |

The additional flows and wasteloads due to Revised 2020 Baseline Condition are shown inbrown.
The incremental increase in residential, commercial and industrial flows, BOD & TSS in each of the sewershed was calculated by subtracting Current (2000) Condition from Revised 2020 Baseline Condition. Residential, commercial and industrial BSF, BOD, TSS from BOTH sewersheds was added to JIWWTPfor the Ave Day WWTP analysis.

I/I flows, BOD and TSS in each of the sewershed were generated differently. Instead it was assumed that I/I flow for both Revised 2020 Baseline Condition and Current (2000) Condition was the difference between average day flows generated through FFS simulations (presented in Tables 5A-3 and 5A-4 respectively) and the BSF calculated from the base data in FFS (presented in Table 5A-5). BOD and TSS from I/I was calculated based on the above unit factors. The incremental increase was the difference between Revised 2020 Baseline Condition I/I and Current (2000) Condition I/I. I/I flow, BOD and TSS from BOTH sewersheds were added to SSWWTP since it was assumed most I/I would occur during a wet weather event when flow is directed to SSWWTP.

INCREMENTAL INCREASES

| | Flow (MGD) | BOD (lb/d) | TSS (lb/d) |
|---|---|---|---|
| Residential | 4.9 | 13,500 | 16,200 |
| Commercial | 2.5 | 6,800 | 8,137 |
| Industrial | 0.8 | 2,300 | 2,700 |
| JIWWTP | -0.3 | 2,300 | 2,800 |
| SSWWTP | 12.8 | 21,900 | 30,300 |

These incremental increases were added to the average of 1999-2003 data and then Le Saffre Yeast data was subtracted off. This was done rather than using 2006 data and adding the incremental increase because original data used to generate the incremental increase was from 2000 SEWRPC data. Note that the incremental increase for the JIWWTP and SSWWTP flows was not used to determine Revised 2020 Baseline average day flows (see #3a).

**c) Billable Flow, BOD, TSS**

Billable Average Day Flow, BOD and TSS for Residential, Commercial and Industrial sectors was calculated in Table 5A-1, Existing and Future Average and Peak Flows and Loads by adding the incremental increase shown inbrown in Table 5A-5, Base Sanitary Flow and I/I Analysis - Comparison of Current (2000) to Revised 2020 Baseline Conditions to the Existing Condition Ave Flows, BOD and TSS shown in Table 5A-1 since the projected increase was based on 2000 SEWRPC data. Le Saffre Yeast loads were subtracted from the industrial wasteload totals.

**d) WWTP Max Day, Max Week and Max Month BOD and TSS**

Revised 2020 Baseline Condition Max Day, Week and Month wasteloads were calculated in Table 5A-1, Existing and Future Average and Peak Flows and Loads by subtracting off Max Day, Week and Month Le Saffre Yeast wasteloads from Existing Condition Max Day, Week and Month wasteloads and then mutiplying by the total % increase in average day loadings at each WWTP calculated in Table 5A-5, Base Sanitary Flow - and I/I Analysis - Comparison of Current (2020) to Revised 2020 Baseline Conditions. This was done again using Existing Condition information rather than the calculated 2006 data because the Current (2000) data was based on the increase from 2000 SEWRPC data.

Total % Increase at the WWTPs

| | BOD | TSS |
|---|---|---|
| JIWWTP | 1.96% | 1.61% |
| SSWWTP | 13.9% | 12.9% |

## EXISTING (2000) CONDITION AVERAGE DAY - FLOW MODEL OUTPUT

**Metadata**
**Current 2000 Population and Land Use values**
**Future 2020 Sewersheds**

**AVERAGE DAY (BOTH Flow goes to JIWWTP)**

| | | |
|---|---|---|
| JIWWTP | **99.9** | MGD |
| SSWWTP | **103** | MGD |

| Name | Meter Basin | Area (acres) | Type | Current 2000 Population | Future 2020 Point Source Flow (gpd) | Uncorrected Avg. Flow (cfs) | Current 2000 Point Source Flow (gpd) | Corrected Current 2000 Avg. Flow (cfs) |
|---|---|---|---|---|---|---|---|---|
| **BOTH TREATMENT PLANTS** | | | | | | | | |
| BD5008 | M14906 | 10.7 | Separated | 28.0 | 0 | 0.0081 | 0.0 | 0.0081 |
| BD5012 | MS0532 | 76.6 | Separated | 1430 | 0 | 0.1266 | 0 | 0.1266 |
| BD5013 | MS0532 | 140.4 | Separated | 61 | 0 | 0.1204 | 0 | 0.1204 |
| CU6001 | MS0614 | 316.9 | Separated | 2063 | 0 | 0.3263 | 0 | 0.3263 |
| CU6002 | MS0614 | 188.6 | Separated | 1342 | 0 | 0.1753 | 0 | 0.1753 |
| CU6005 | MS0613 | 205.4 | Separated | 1750.0 | 0 | 0.2526 | 0.0 | 0.2526 |
| CU6007 | MS0614 | 153.4 | Separated | 663 | 0 | 0.1840 | 0 | 0.1840 |
| CU6008 | MS0101 | 248.3 | Separated | 1618 | 942075 | 1.9769 | 0 | 0.5195 |
| CU6009 | MS0617 | 173.2 | Separated | 684 | 339665 | 1.2442 | 339665 | 1.2442 |
| CU6010 | MS0616 | 229.5 | Separated | 2976 | 310352.5 | 1.0938 | 310352.5 | 1.0938 |
| CU6012 | MS0615 | 212.2 | Separated | 2271.0 | 0 | 0.4126 | 942075.0 | 1.8700 |
| CU6013 | MS0101 | 141.1 | Separated | 1625 | 0 | 0.2794 | 0 | 0.2794 |
| CU6014 | MS0101 | 57.7 | Separated | 664 | 0 | 0.1142 | 0 | 0.1142 |
| CU6015 | MS0101 | 49.0 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| CU6019 | MS0617 | 222.2 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| FP5005 | MS0438 | 333.1 | Separated | 1298 | 0 | 0.4440 | 0 | 0.4440 |
| FP5006 | MS0438 | 311.5 | Separated | 1186 | 0 | 0.4220 | 0 | 0.4220 |
| FP5008 | MS0438 | 140.9 | Separated | 104 | 0 | 0.1258 | 0 | 0.1258 |
| GF6007 | MS0607 | 148.2 | Separated | 1569 | 0 | 0.2465 | 0 | 0.2465 |
| GF6008 | MS0608 | 102.1 | Separated | 895 | 0 | 0.2021 | 0 | 0.2021 |
| GF6010 | MS0602 | 425.1 | Separated | 2162 | 0 | 0.5274 | 0 | 0.5274 |
| GF6015 | MS0602 | 64.3 | Separated | 868 | 0 | 0.1103 | 0 | 0.1103 |
| GF6019 | MS0102 | 13.0 | Separated | 80 | 0 | 0.0309 | 0 | 0.0309 |
| GF6021 | MS0608 | 49.4 | Separated | 592 | 0 | 0.1047 | 0 | 0.1047 |
| GL5028 | MS0509 | 40.3 | Separated | 115 | 0 | 0.0811 | 0 | 0.0811 |
| GL5030 | MS0531 | 30.4 | Separated | 126 | 0 | 0.0262 | 0 | 0.0262 |
| GL5032 | MS0438 | 13.2 | Separated | 70 | 0 | 0.0202 | 0 | 0.0202 |
| GL5033 | MS0509 | 297.0 | Separated | 1564 | 0 | 0.7206 | 0 | 0.7206 |
| GL5050 | M14906 | 54.8 | Separated | 237 | 0 | 0.0482 | 0 | 0.0482 |
| GL5051 | MS0530 | 148.6 | Separated | 645 | 0 | 0.2258 | 0 | 0.2258 |
| GL5052 | MS0438 | 68.3 | Separated | 265 | 0 | 0.1278 | 0 | 0.1278 |
| ME5007 | MS0532 | 194.7 | Separated | 288 | 0 | 0.0759 | 0 | 0.0759 |
| MI5013 | MS0519 | 207.7 | Separated | 2693 | 0 | 0.4450 | 0 | 0.4450 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MI5015 | MS0520 | 155.6 | Separated | 1578 | 0 | 0.2760 | 0 | 0.2760 |
| MI5016 | MS0401-SS | 329.1 | Separated | 4331 | 0 | 0.8550 | 0 | 0.8550 |
| MI5017 | MS0518 | 215.8 | Separated | 2160 | 0 | 0.5019 | 0 | 0.5019 |
| MI5019 | MS0401-SS | 213.6 | Separated | 2370 | 0 | 0.5218 | 0 | 0.5218 |
| MI5020 | MS0517 | 178.8 | Separated | 2156 | 0 | 0.5169 | 0 | 0.5169 |
| MI5113 | M14906 | 371.3 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| MI5146 | MS0401-SS | 38.8 | Separated | 485 | 0 | 0.0922 | 0 | 0.0922 |
| MI5147 | MS0521 | 193.7 | Separated | 1651 | 0 | 0.4625 | 0 | 0.4625 |
| MI6081 | MS0610 | 184.9 | Separated | 898 | 0 | 0.2342 | 0 | 0.2342 |
| MI6089 | MS0610 | 519.2 | Separated | 1950 | 0 | 0.8255 | 0 | 0.8255 |
| MI6090 | MS0610 | 236.5 | Separated | 1098 | 0 | 0.3633 | 0 | 0.3633 |
| MI6091 | MS0611 | 207.0 | Separated | 2293 | 0 | 0.3440 | 0 | 0.3440 |
| MI6092 | MS0102 | 175.9 | Separated | 1950 | 0 | 0.3566 | 0 | 0.3566 |
| MI6093 | MS0102 | 430.5 | Separated | 4042 | 0 | 0.7886 | 0 | 0.7886 |
| MI6098 | MS0102 | 363.6 | Separated | 2130 | 0 | 0.7372 | 0 | 0.7372 |
| MI6099 | MS0608 | 402.6 | Separated | 4547 | 0 | 0.8577 | 0 | 0.8577 |
| MI6104 | MS0602 | 239.7 | Separated | 3158 | 0 | 0.4536 | 0 | 0.4536 |
| MI6105 | MS0102 | 269.2 | Separated | 1772 | 424885 | 1.1793 | 424885 | 1.1793 |
| MI6106 | MS0102 | 537.6 | Separated | 6433 | 118900 | 1.5021 | 118900 | 1.5021 |
| MI6110 | MS0102 | 65.6 | Separated | 720 | 0 | 0.1276 | 0 | 0.1276 |
| MI6127 | MS0607 | 33.7 | Separated | 274 | 0 | 0.0480 | 0 | 0.0480 |
| MI6129 | MS0607 | 15.8 | Separated | 195 | 0 | 0.0287 | 0 | 0.0287 |
| MI6148 | MS0102 | 119.0 | Separated | 1446 | 0 | 0.2957 | 0 | 0.2957 |
| MI6179 | MS0613 | 56.7 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| RH5001 | MS0532 | 1152.7 | Separated | 374 | 0 | 0.3554 | 0 | 0.3554 |
| RH5002 | MS0531 | 645.5 | Separated | 271 | 0 | 0.2741 | 0 | 0.2741 |
| RH5005 | MS0509 | 370.4 | Separated | 144 | 0 | 0.6182 | 0 | 0.6182 |
| RH5007 | M14906 | 335.7 | Separated | 125 | 0 | 0.2020 | 0 | 0.2020 |
| SF6004 | MS0102 | 120.5 | Separated | 1189 | 0 | 0.2384 | 0 | 0.2384 |
| SF6005 | MS0102 | 224.5 | Separated | 1198 | 0 | 0.3345 | 0 | 0.3345 |
| SF6007 | MS0611 | 56.8 | Separated | 354 | 0 | 0.0886 | 0 | 0.0886 |
| SF6008 | MS0610 | 50.3 | Separated | 596 | 0 | 0.1224 | 0 | 0.1224 |
| SF6009 | MS0102 | 74.8 | Separated | 556 | 0 | 0.1370 | 0 | 0.1370 |
| SF6010 | MS0101 | 99.8 | Separated | 769 | 0 | 0.2401 | 0 | 0.2401 |
| SF6011 | MS0101 | 110.6 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| SF6013 | MS0612 | 98.4 | Separated | 436 | 0 | 0.2629 | 0 | 0.2629 |
| SF6014 | MS0102 | 73.3 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| WE6020 | MS0609 | 167.7 | Separated | 2126 | 0 | 0.5513 | 0 | 0.5513 |
| WM6004 | MS0102 | 154.4 | Separated | 15 | 1353000 | 2.4485 | 1608465 | 2.8437 |
| **JONES ISLAND** | | | | | | | | |
| CS5073#1 | MS0505-CS | 88.2 | Combined | 750 | 0 | 0.3611 | 0 | 0.3611 |
| CS5073#2 | MS0505-CS | 304.3 | Combined | 4667 | 0 | 1.7261 | 0 | 1.7261 |
| CS5074A1 | MS0505-CS | 62.3 | Combined | 1697 | 0 | 0.4532 | 0 | 0.4532 |
| CS5074A2 | MS0505-CS | 80.6 | Combined | 2437 | 116447 | 0.7610 | 116447 | 0.7610 |
| CS5134#1 | MS0504-CS | 396.1 | Combined | 3552 | 0 | 2.0435 | 0 | 2.0435 |
| CS5134#2 | MS0504-CS | 100.8 | Combined | 2008 | 0 | 0.5634 | 0 | 0.5634 |
| CS5135#1 | JIWWTP-CS_high | 85.9 | Combined | 1263 | 0 | 0.3940 | 0 | 0.3940 |
| CS5135A1 | JIWWTP-CS_high | 58.2 | Combined | 1027 | 0 | 0.3108 | 0 | 0.3108 |
| CS5135A2 | JIWWTP-CS_high | 9.5 | Combined | 0 | 0 | 0.0494 | 0 | 0.0494 |
| CS5135A3 | JIWWTP-CS_high | 104.8 | Combined | 1987 | 0 | 0.5808 | 0 | 0.5808 |
| CS5136#1 | JIWWTP-CS_high | 380.7 | Combined | 6114 | 0 | 1.8601 | 0 | 1.8601 |
| CS5137#1 | JIWWTP-CS_high | 28.4 | Combined | 334 | 0 | 0.1200 | 0 | 0.1200 |
| CS5139#1 | JIWWTP-CS_high | 33.6 | Combined | 680 | 0 | 0.2037 | 0 | 0.2037 |
| CS5140#1 | JIWWTP-CS_high | 112.5 | Combined | 1735 | 324688 | 1.0840 | 324688 | 1.0840 |
| CS5141#1 | JIWWTP-CS_high | 72.5 | Combined | 1229 | 0 | 0.4236 | 0 | 0.4236 |
| CS5141#2 | JIWWTP-CS_high | 7.1 | Combined | 498 | 0 | 0.0770 | 0 | 0.0770 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CS5142A1 | JIWWTP-CS_high | 127.6 | Combined | 6542 | 0 | 1.1719 | 0 | 1.1719 |
| CS5144#1 | JIWWTP-CS_high | 19.2 | Combined | 730 | 0 | 0.1422 | 0 | 0.1422 |
| CS5145#1 | JIWWTP-CS_high | 17.6 | Combined | 1277 | 0 | 0.2000 | 0 | 0.2000 |
| CS5146#1 | JIWWTP-CS_high | 32.8 | Combined | 1676 | 0 | 0.3021 | 0 | 0.3021 |
| CS5147#1 | JIWWTP-CS_high | 10.6 | Combined | 156 | 0 | 0.0553 | 0 | 0.0553 |
| CS5147#2 | JIWWTP-CS_high | 13.0 | Combined | 450 | 0 | 0.0976 | 0 | 0.0976 |
| CS5148#1 | JIWWTP-CS_high | 12.1 | Combined | 386 | 0 | 0.0892 | 0 | 0.0892 |
| CS5193#1 | MS0501-CS | 1555.9 | Combined | 30218 | 496813 | 9.7469 | 496813 | 9.7469 |
| CS5193#2 | MS0501-CS | 19.2 | Combined | 273 | 0 | 0.1021 | 0 | 0.1021 |
| CS5193#3 | MS0501-CS | 42.5 | Combined | 719 | 0 | 0.2317 | 0 | 0.2317 |
| CS5193#4 | MS0501-CS | 128.8 | Combined | 3154 | 0 | 0.8279 | 0 | 0.8279 |
| CS5193#5 | MS0501-CS | 108.7 | Combined | 1309 | 0 | 0.4072 | 0 | 0.4072 |
| CS5195#1 | MS0501-CS | 1340.9 | Combined | 24263 | 0 | 7.2845 | 0 | 7.2845 |
| CS5196A1 | MS0501-CS | 374.6 | Combined | 10132 | 0 | 2.4432 | 0 | 2.4432 |
| CS5197A1 | JIWWTP-CS_high | 44.2 | Combined | 1086 | 403135 | 0.8709 | 403135 | 0.8709 |
| CS5198#1 | JIWWTP-CS_high | 273.1 | Combined | 4114 | 0 | 1.3735 | 0 | 1.3735 |
| CS5199#1 | JIWWTP-CS_high | 39.6 | Combined | 593 | 0 | 0.2000 | 0 | 0.2000 |
| CS5200#1 | JIWWTP-CS_high | 103.2 | Combined | 855 | 0 | 0.3994 | 0 | 0.3994 |
| CS5200A1 | JIWWTP-CS_high | 216.6 | Combined | 3893 | 0 | 1.1079 | 0 | 1.1079 |
| CS5200A2 | JIWWTP-CS_high | 150.9 | Combined | 1877 | 0 | 0.7067 | 0 | 0.7067 |
| CS5201#1 | JIWWTP-CS_high | 35.2 | Combined | 459 | 0 | 0.1769 | 0 | 0.1769 |
| CS5201A1 | JIWWTP-CS_high | 182.5 | Combined | 1217 | 0 | 0.7174 | 0 | 0.7174 |
| CS5205#1 | JIWWTP-CS_high | 4.2 | Combined | 0 | 0 | 0.0136 | 0 | 0.0136 |
| CS5206#1 | JIWWTP-CS_high | 5.4 | Combined | 0 | 0 | 0.0243 | 0 | 0.0243 |
| CS5228#1 | JIWWTP-CS_high | 193.6 | Combined | 5759 | 0 | 1.2639 | 0 | 1.2639 |
| CS5372A1 | MS0501-CS | 76.3 | Combined | 1232 | 0 | 0.4350 | 0 | 0.4350 |
| CS5372A2 | MS0501-CS | 79.7 | Combined | 116 | 0 | 0.1951 | 0 | 0.1951 |
| CS5372A3 | MS0501-CS | 10.0 | Combined | 51 | 0 | 0.0415 | 0 | 0.0415 |
| CS5500#1 | MS0504-CS | 36.0 | Combined | 372 | 0 | 0.1904 | 0 | 0.1904 |
| CS6328#1 | JIWWTP-CS_high | 9.9 | Combined | 178 | 0 | 0.0494 | 0 | 0.0494 |
| CS6330#1 | JIWWTP-CS_high | 31.1 | Combined | 126 | 0 | 0.0720 | 0 | 0.0720 |
| CS6357#1 | JIWWTP-CS_high | 136.6 | Combined | 4521 | 0 | 0.9577 | 0 | 0.9577 |
| CS6358#1 | JIWWTP-CS_high | 18.0 | Combined | 727 | 0 | 0.1422 | 0 | 0.1422 |
| CS6358#2 | JIWWTP-CS_high | 76.1 | Combined | 2103 | 0 | 0.4683 | 0 | 0.4683 |
| CS6359#1 | JIWWTP-CS_high | 63.1 | Combined | 1615 | 0 | 0.3830 | 0 | 0.3830 |
| CS6359#2 | JIWWTP-CS_high | 58.2 | Combined | 26 | 0 | 0.1197 | 0 | 0.1197 |
| CS6360#1 | JIWWTP-CS_high | 88.7 | Combined | 2848 | 0 | 0.6210 | 0 | 0.6210 |
| CS6361#1 | JIWWTP-CS_high | 46.5 | Combined | 1371 | 0 | 0.3476 | 0 | 0.3476 |
| CS6362#1 | JIWWTP-CS_high | 18.4 | Combined | 682 | 0 | 0.1362 | 0 | 0.1362 |
| CS6363#1 | JIWWTP-CS_high | 291.8 | Combined | 10775 | 0 | 2.1842 | 0 | 2.1842 |
| CS6363#2 | JIWWTP-CS_high | 30.7 | Combined | 1052 | 0 | 0.2238 | 0 | 0.2238 |
| CS6364#1 | JIWWTP-CS_high | 84.1 | Combined | 2200 | 0 | 0.4680 | 0 | 0.4680 |
| CS6366#1 | JIWWTP-CS_high | 43.0 | Combined | 1445 | 0 | 0.3055 | 0 | 0.3055 |
| CS6366#2 | JIWWTP-CS_high | 42.5 | Combined | 759 | 0 | 0.2925 | 0 | 0.2925 |
| CS6366#3 | JIWWTP-CS_high | 17.9 | Combined | 616 | 0 | 0.1410 | 0 | 0.1410 |
| CS6366#4 | JIWWTP-CS_high | 21.7 | Combined | 787 | 0 | 0.1596 | 0 | 0.1596 |
| CS6368A1 | JIWWTP-CS_high | 245.5 | Combined | 4540 | 0 | 1.4679 | 0 | 1.4679 |
| CS6369#1 | JIWWTP-CS_high | 25.2 | Combined | 61 | 0 | 0.0964 | 0 | 0.0964 |
| CS7207#1 | JIWWTP-CS_low | 118.0 | Combined | 801 | 0 | 0.3303 | 0 | 0.3303 |
| CS7207#2 | JIWWTP-CS_low | 242.3 | Combined | 5531 | 0 | 1.3297 | 0 | 1.3297 |
| CS7208#1 | JIWWTP-CS_low | 508.2 | Combined | 12314 | 0 | 3.0318 | 0 | 3.0318 |
| CS7209#1 | JIWWTP-CS_low | 48.6 | Combined | 696 | 0 | 0.2353 | 0 | 0.2353 |
| CS7209#2 | JIWWTP-CS_low | 10.6 | Combined | 339 | 0 | 0.0690 | 0 | 0.0690 |
| CS7210#1 | JIWWTP-CS_low | 15.7 | Combined | 54 | 0 | 0.0678 | 0 | 0.0678 |
| CS7211#1 | JIWWTP-CS_low | 111.4 | Combined | 535 | 0 | 0.5837 | 0 | 0.5837 |
| CS7212#1 | JIWWTP-CS_low | 5.7 | Combined | 0 | 0 | 0.0224 | 0 | 0.0224 |
| CS7213#1 | JIWWTP-CS_low | 122.6 | Combined | 1211 | 0 | 0.6263 | 0 | 0.6263 |

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| CS7214A1 | JIWWTP-CS_low | 5.0 | Combined | 0 | 0 | 0.0197 | 0 | 0.0197 |
| CS7215#1 | JIWWTP-CS_low | 25.7 | Combined | 4 | 0 | 0.1086 | 0 | 0.1086 |
| CS7215#2 | JIWWTP-CS_low | 39.9 | Combined | 0 | 0 | 0.1584 | 0 | 0.1584 |
| CS7216#1 | JIWWTP-CS_low | 105.4 | Combined | 661 | 0 | 0.4279 | 0 | 0.4279 |
| CS7217#1 | JIWWTP-CS_low | 70.3 | Combined | 1819 | 0 | 0.4341 | 0 | 0.4341 |
| CS7218#1 | JIWWTP-CS_low | 108.4 | Combined | 1682 | 121338 | 0.7650 | 121338 | 0.7650 |
| CS7219A1 | JIWWTP-CS_low | 2.4 | Combined | 21 | 0 | 0.0144 | 0 | 0.0144 |
| CS7220#1 | JIWWTP-CS_low | 17.5 | Combined | 35 | 0 | 0.0857 | 0 | 0.0857 |
| CS7221#1 | JIWWTP-CS_low | 8.2 | Combined | 71 | 0 | 0.0489 | 0 | 0.0489 |
| CS7222#1 | JIWWTP-CS_low | 6.7 | Combined | 0 | 0 | 0.0391 | 0 | 0.0391 |
| CS7223#1 | JIWWTP-CS_low | 32.0 | Combined | 0 | 0 | 0.1766 | 0 | 0.1766 |
| CS7224#1 | JIWWTP-CS_low | 11.4 | Combined | 0 | 0 | 0.0629 | 0 | 0.0629 |
| CS7225#1 | JIWWTP-CS_low | 24.6 | Combined | 1 | 0 | 0.1225 | 0 | 0.1225 |
| CS7227#1 | JIWWTP-CS_low | 41.1 | Combined | 64 | 0 | 0.1629 | 0 | 0.1629 |
| CS7227#2 | JIWWTP-CS_low | 14.2 | Combined | 0 | 0 | 0.0587 | 0 | 0.0587 |
| CS7228A1 | JIWWTP-CS_low | 26.5 | Combined | 869 | 0 | 0.1818 | 0 | 0.1818 |
| CS7230#1 | JIWWTP-CS_low | 37.4 | Combined | 1042 | 0 | 0.2314 | 0 | 0.2314 |
| CS7231#1 | JIWWTP-CS_low | 12.3 | Combined | 48 | 0 | 0.0664 | 0 | 0.0664 |
| CS7232#1 | JIWWTP-CS_low | 48.3 | Combined | 767 | 0 | 0.2732 | 0 | 0.2732 |
| CS7233#1 | JIWWTP-CS_low | 36.0 | Combined | 595 | 0 | 0.2064 | 0 | 0.2064 |
| CS7234#1 | JIWWTP-CS_low | 6.4 | Combined | 0 | 0 | 0.0304 | 0 | 0.0304 |
| CS7234A1 | JIWWTP-CS_low | 69.7 | Combined | 2260 | 0 | 0.5020 | 0 | 0.5020 |
| CS7235#1 | JIWWTP-CS_low | 24.8 | Combined | 101 | 0 | 0.1088 | 0 | 0.1088 |
| CS7236#1 | JIWWTP-CS_low | 15.1 | Combined | 153 | 0 | 0.0824 | 0 | 0.0824 |
| CS7237#1 | JIWWTP-CS_low | 6.7 | Combined | 292 | 0 | 0.0638 | 0 | 0.0638 |
| CS7238A1 | JIWWTP-CS_low | 23.3 | Combined | 0 | 0 | 0.0895 | 0 | 0.0895 |
| CS7239#1 | JIWWTP-CS_low | 2.9 | Combined | 1 | 0 | 0.0132 | 0 | 0.0132 |
| CS7239A1 | JIWWTP-CS_low | 3.8 | Combined | 0 | 0 | 0.0135 | 0 | 0.0135 |
| CS7239B1 | JIWWTP-CS_low | 4.0 | Combined | 0 | 0 | 0.0178 | 0 | 0.0178 |
| CS7240#1 | JIWWTP-CS_low | 14.2 | Combined | 195 | 127565 | 0.2860 | 127565 | 0.2860 |
| CS7241#1 | JIWWTP-CS_low | 6.0 | Combined | 0 | 0 | 0.0331 | 0 | 0.0331 |
| CS7242#1 | JIWWTP-CS_low | 23.7 | Combined | 19 | 0 | 0.1343 | 0 | 0.1343 |
| CS7243#1 | JIWWTP-CS_low | 80.2 | Combined | 48 | 117105 | 0.5772 | 117105 | 0.5772 |
| CS7244#1 | JIWWTP-CS_low | 18.0 | Combined | 64 | 0 | 0.0899 | 0 | 0.0899 |
| CS7245#1 | JIWWTP-CS_low | 13.0 | Combined | 217 | 0 | 0.0961 | 0 | 0.0961 |
| CS7246#1 | JIWWTP-CS_low | 36.7 | Combined | 204 | 0 | 0.2028 | 0 | 0.2028 |
| CS7247#1 | JIWWTP-CS_low | 14.8 | Combined | 5 | 0 | 0.0651 | 0 | 0.0651 |
| CS7248A1 | JIWWTP-CS_low | 42.0 | Combined | 0 | 0 | 0.1813 | 0 | 0.1813 |
| CS7325#1 | JIWWTP-CS_low | 617.9 | Combined | 17149 | 0 | 3.8943 | 0 | 3.8943 |
| CS7327#1 | JIWWTP-CS_low | 115.8 | Combined | 1542 | 0 | 0.5395 | 0 | 0.5395 |
| CS7331#1 | JIWWTP-CS_low | 35.2 | Combined | 572 | 0 | 0.2078 | 0 | 0.2078 |
| CS7335#1 | JIWWTP-CS_low | 13.4 | Combined | 262 | 0 | 0.0724 | 0 | 0.0724 |
| CS7336#1 | JIWWTP-CS_low | 12.5 | Combined | 246 | 0 | 0.0673 | 0 | 0.0673 |
| CS7337#1 | JIWWTP-CS_low | 370.0 | Combined | 5899 | 336118 | 2.4027 | 336118 | 2.4027 |
| CS7338#1 | JIWWTP-CS_low | 424.1 | Combined | 5950 | 0 | 2.0321 | 0 | 2.0321 |
| CS7339#1 | JIWWTP-CS_low | 63.7 | Combined | 1026 | 0 | 0.3722 | 0 | 0.3722 |
| CS7340#1 | JIWWTP-CS_low | 64.1 | Combined | 25 | 0 | 0.2859 | 0 | 0.2859 |
| CS7341#1 | JIWWTP-CS_low | 14.9 | Combined | 146 | 0 | 0.0801 | 0 | 0.0801 |
| CS7342#1 | JIWWTP-CS_low | 12.7 | Combined | 0 | 0 | 0.0404 | 0 | 0.0404 |
| CS7343#1 | JIWWTP-CS_low | 7.7 | Combined | 24 | 0 | 0.0220 | 0 | 0.0220 |
| CS7344A1 | JIWWTP-CS_low | 150.8 | Combined | 291 | 0 | 0.5114 | 0 | 0.5114 |
| CS7344A2 | JIWWTP-CS_low | 37.2 | Combined | 790 | 0 | 0.2247 | 0 | 0.2247 |
| CS7344A3 | JIWWTP-CS_low | 2.5 | Combined | 12 | 0 | 0.0089 | 0 | 0.0089 |
| CS7344A4 | JIWWTP-CS_low | 7.2 | Combined | 0 | 0 | 0.0189 | 0 | 0.0189 |
| CS7344A5 | JIWWTP-CS_low | 85.1 | Combined | 3096 | 0 | 0.6116 | 0 | 0.6116 |
| CS7344A6 | JIWWTP-CS_low | 297.4 | Combined | 7020 | 0 | 1.7304 | 0 | 1.7304 |
| CS7344A7 | JIWWTP-CS_low | 382.8 | Combined | 11653 | 0 | 2.5930 | 0 | 2.5930 |

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| CS7345#1 | JIWWTP-CS_low | 21.7 | Combined | 185 | 0 | 0.1297 | 0 | 0.1297 |
| CS7345#2 | JIWWTP-CS_low | 50.4 | Combined | 2109 | 0 | 0.4029 | 0 | 0.4029 |
| CS7345#3 | JIWWTP-CS_low | 14.7 | Combined | 542 | 0 | 0.1146 | 0 | 0.1146 |
| CS7345A1 | JIWWTP-CS_low | 59.7 | Combined | 1358 | 0 | 0.3715 | 0 | 0.3715 |
| CS7346#1 | JIWWTP-CS_low | 36.0 | Combined | 129 | 0 | 0.1783 | 0 | 0.1783 |
| CS7370#1 | JIWWTP-CS_low | 17.4 | Combined | 0 | 0 | 0.0619 | 0 | 0.0619 |
| CS7380#1 | JIWWTP-CS_low | 58.1 | Combined | 0 | 0 | 0.2275 | 810553 | 1.4814 |
| CS7380#2 | JIWWTP-CS_low | 153.6 | Combined | 2720 | 0 | 0.8081 | 0 | 0.8081 |
| CS7381#1 | JIWWTP-CS_low | 45.2 | Combined | 656 | 0 | 0.2259 | 0 | 0.2259 |
| CS7386#1 | JIWWTP-CS_low | 67.2 | Combined | 475 | 0 | 0.3347 | 0 | 0.3347 |
| CS7387#1 | JIWWTP-CS_low | 38.0 | Combined | 0 | 0 | 0.1548 | 0 | 0.1548 |
| CS7388#1 | JIWWTP-CS_low | 27.4 | Combined | 0 | 0 | 0.1093 | 0 | 0.1093 |
| CS7390#1 | JIWWTP-CS_low | 16.2 | Combined | 0 | 0 | 0.0731 | 0 | 0.0731 |
| CS7394#1 | JIWWTP-CS_low | 20.4 | Combined | 95 | 0 | 0.0995 | 0 | 0.0995 |
| CS7396#1 | JIWWTP-CS_low | 69.8 | Combined | 572 | 0 | 0.3976 | 0 | 0.3976 |
| CS7398#1 | JIWWTP-CS_low | 38.9 | Combined | 124 | 0 | 0.2034 | 0 | 0.2034 |
| CS7399#1 | JIWWTP-CS_low | 16.0 | Combined | 152 | 0 | 0.0936 | 0 | 0.0936 |
| CS7400#1 | JIWWTP-CS_low | 5.2 | Combined | 22 | 0 | 0.0255 | 0 | 0.0255 |
| CS7400#2 | JIWWTP-CS_low | 21.5 | Combined | 348 | 0 | 0.1303 | 0 | 0.1303 |
| CS7400A1 | JIWWTP-CS_low | 3.3 | Combined | 114 | 0 | 0.0250 | 0 | 0.0250 |
| CS7401#1 | JIWWTP-CS_low | 11.1 | Combined | 0 | 0 | 0.0451 | 0 | 0.0451 |
| CS7402#1 | JIWWTP-CS_low | 26.8 | Combined | 26 | 0 | 0.0859 | 0 | 0.0859 |
| CS7403#1 | JIWWTP-CS_low | 31.9 | Combined | 11 | 0 | 0.1438 | 0 | 0.1438 |
| CS7403A1 | JIWWTP-CS_low | 3.3 | Combined | 0 | 0 | 0.0172 | 0 | 0.0172 |
| CS7404#1 | JIWWTP-CS_low | 48.1 | Combined | 66 | 0 | 0.1980 | 0 | 0.1980 |
| CS7405#1 | JIWWTP-CS_low | 7.9 | Combined | 4 | 0 | 0.0355 | 0 | 0.0355 |
| CS7406#1 | JIWWTP-CS_low | 8.8 | Combined | 0 | 0 | 0.0441 | 0 | 0.0441 |
| CS7407#1 | JIWWTP-CS_low | 26.2 | Combined | 2 | 0 | 0.0989 | 0 | 0.0989 |
| GL5001 | MS0508 | 147.5 | Separated | 132 | 0 | 0.1067 | 0 | 0.1067 |
| GL5002 | MS0505-SS | 159.0 | Separated | 805 | 0 | 0.2613 | 0 | 0.2613 |
| GL5004 | MS0505-SS | 267.5 | Separated | 1554 | 0 | 0.5076 | 0 | 0.5076 |
| GL5007 | MS0505-SS | 319.0 | Separated | 233 | 0 | 0.6474 | 0 | 0.6474 |
| GL5008 | MS0526 | 139.6 | Separated | 1008 | 0 | 0.2032 | 0 | 0.2032 |
| GL5009 | MS0503 | 65.2 | Separated | 459 | 0 | 0.1735 | 0 | 0.1735 |
| GL5011 | MS0505-SS | 107.3 | Separated | 148 | 0 | 0.1873 | 0 | 0.1873 |
| GL5012 | MS0505-SS | 155.2 | Separated | 600 | 0 | 0.3712 | 0 | 0.3712 |
| GL5013 | MS0505-SS | 42.3 | Separated | 677 | 0 | 0.1333 | 0 | 0.1333 |
| GL5014 | MS0504-SS | 175.3 | Separated | 402 | 0 | 0.3112 | 0 | 0.3112 |
| GL5016 | MS0504-SS | 228.5 | Separated | 3 | 0 | 0.5656 | 0 | 0.5656 |
| GL5018 | MS0508 | 215.0 | Separated | 869 | 0 | 0.1428 | 0 | 0.1428 |
| GL5023 | MS0505-SS | 345.0 | Separated | 963 | 0 | 0.5141 | 0 | 0.5141 |
| GL5054 | MS0505-SS | 212.1 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| MI5023 | MS0516 | 489.7 | Separated | 5542 | 0 | 0.7252 | 0 | 0.7252 |
| MI5024 | MS0515 | 223.2 | Separated | 3915 | 0 | 0.6521 | 0 | 0.6521 |
| MI5025 | MS0504-SS | 280.1 | Separated | 4196 | 0 | 0.8236 | 0 | 0.8236 |
| MI5045 | MS0514 | 112.5 | Separated | 1985 | 0 | 0.5236 | 0 | 0.5236 |
| MI5048 | MS0514 | 531.5 | Separated | 10433 | 180110 | 2.9221 | 180110 | 2.9221 |
| MI5049 | MS0513 | 142.2 | Separated | 1901 | 0 | 0.8531 | 0 | 0.8531 |
| MI5050 | MS0504-SS | 88.6 | Separated | 947 | 0 | 0.2852 | 0 | 0.2852 |
| MI5051 | MS0511 | 369.0 | Separated | 5571 | 0 | 0.9490 | 0 | 0.9490 |
| MI5052 | MS0512 | 94.3 | Separated | 1393 | 0 | 0.4710 | 0 | 0.4710 |
| MI5053 | MS0510 | 189.1 | Separated | 1385 | 0 | 0.7034 | 0 | 0.7034 |
| MI5054 | MS0504-SS | 330.1 | Separated | 4416 | 0 | 0.9519 | 0 | 0.9519 |
| MI5056 | MS0504-SS | 208.4 | Separated | 1475 | 0 | 0.4862 | 0 | 0.4862 |
| MI5057 | MS0504-SS | 171.4 | Separated | 348 | 0 | 0.3776 | 0 | 0.3776 |
| MI5058 | MS0528 | 240.9 | Separated | 3313 | 0 | 0.6637 | 0 | 0.6637 |
| MI5059 | MS0503 | 544.9 | Separated | 4716 | 0 | 1.7407 | 0 | 1.7407 |

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| MI5060 | MS0505-SS | 124.6 | Separated | 567 | 0 | 0.1924 | 0 | 0.1924 |
| MI5069 | JIWWTP-SS_low | 339.0 | Separated | 1663 | 290404 | 1.1031 | 290404 | 1.1031 |
| MI5115 | MS0504-SS | 72.9 | Separated | 424 | 0 | 0.1856 | 0 | 0.1856 |
| MI5143 | MS0505-SS | 68.9 | Separated | 276 | 0 | 0.1044 | 0 | 0.1044 |
| MI5144 | MS0526 | 75.7 | Separated | 969 | 0 | 0.1464 | 0 | 0.1464 |
| MI5145 | MS0527 | 104.8 | Separated | 1399 | 0 | 0.3670 | 0 | 0.3670 |
| MI5157 | MS0504-SS | 185.7 | Separated | 2778 | 0 | 0.5735 | 0 | 0.5735 |
| MI5162 | MS0504-SS | 156.2 | Separated | 870 | 0 | 0.3442 | 0 | 0.3442 |
| MI5167 | JIWWTP-LF_high | 7.6 | Separated | 0 | 0 | 0.0007 | 0 | 0.0007 |
| MI5169 | JIWWTP-SS_high | 102.3 | Separated | 430 | 0 | 0.2054 | 0 | 0.2054 |
| MI5170 | MS0503 | 243.5 | Separated | 2236 | 0 | 0.6441 | 0 | 0.6441 |
| MI5173 | JIWWTP-LF_high | 192.9 | Separated | 0 | 404065 | 0.6625 | 404065 | 0.6625 |
| MI5174 | JIWWTP-LF_high | 111.7 | Separated | 3 | 0 | 0.0433 | 0 | 0.0433 |
| MI5300 | MS0501-SS | 477.0 | Separated | 8248 | 0 | 1.4669 | 0 | 1.4669 |
| MI5307 | MS0504-SS | 131.7 | Separated | 1361 | 0 | 0.4108 | | 0.4108 |
| MI6072 | MS0603 | 212.4 | Separated | 1619 | 348817.5 | 0.8693 | 348817.5 | 0.8693 |
| MI6108 | JIWWTP-SS_high | 66.5 | Separated | 279 | 0 | 0.1014 | 0 | 0.1014 |
| MI6112 | MS0603 | 197.4 | Separated | 2178 | 0 | 0.4487 | 0 | 0.4487 |
| MI6165 | JIWWTP-SS_high | 177.7 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| MI6166 | JIWWTP-SS_high | 23.0 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| MI7070 | JIWWTP-SS_low | 666.0 | Separated | 1193 | 0 | 1.9208 | 0 | 1.9208 |
| MI7109 | MS0703 | 365.7 | Separated | 3303 | 0 | 0.4930 | 0 | 0.4930 |
| MI7111 | MS0704 | 49.6 | Separated | 860 | 0 | 0.1303 | 0 | 0.1303 |
| MI7149 | JIWWTP-SS_low | 12.5 | Separated | 33 | 0 | 0.0299 | 0 | 0.0299 |
| MI7163 | JIWWTP-SS_low | 44.6 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| MI7164 | JIWWTP-SS_low | 115.9 | Separated | 0 | 0 | 0.0736 | 0 | 0.0736 |
| MI7171 | JIWWTP-SS_low | 131.3 | Separated | 5 | 0 | 0.2979 | 0 | 0.2979 |
| MI7172 | JIWWTP-SS_low | 80.4 | Separated | 0 | 0 | 0.2156 | 0 | 0.2156 |
| MI7175 | JIWWTP-LF_low | 229.8 | Separated | 521 | 0 | 0.0381 | 0 | 0.0381 |
| MI7176 | JIWWTP-LF_low | 113.7 | Separated | 0 | 0 | 0.0523 | 0 | 0.0523 |
| MI7177 | JIWWTP-LF_low | 672.1 | Separated | 2 | 0 | 0.6565 | 0 | 0.6565 |
| MI7178 | JIWWTP-LF_low | 75.8 | Separated | 13 | 0 | 0.0035 | 0 | 0.0035 |
| MI7180 | JIWWTP-SS_low | 143.6 | Separated | 705 | 2126989 | 3.5684 | 2126989 | 3.5684 |
| MI7301 | JIWWTP-MV | 22.7 | Separated | 0 | 0 | 0.0413 | 0 | 0.0413 |
| MI7302 | JIWWTP-MV | 33.9 | Separated | 0 | 0 | 0.0619 | 0 | 0.0619 |
| MI7303 | JIWWTP-MV | 14.4 | Separated | 0 | 498265 | 0.8126 | 498265 | 0.8126 |
| MI7304 | JIWWTP-MV | 20.1 | Separated | 0 | 0 | 0.0487 | 0 | 0.0487 |
| MI7305 | JIWWTP-MV | 106.0 | Separated | 0 | 0 | 0.0000 | | 0.0000 |
| MI7306 | JIWWTP-MV | 12.8 | Separated | 0 | 0 | 0.0376 | | 0.0376 |
| RH5006 | MS0505-SS | 126.5 | Separated | 150 | 0 | 0.1524 | 0 | 0.1524 |
| SF7001 | MS0704 | 311.9 | Separated | 2390 | 0 | 0.4941 | 0 | 0.4941 |
| SF7002 | MS0704 | 172.5 | Separated | 261 | 0 | 0.1514 | 0 | 0.1514 |
| SF7012 | MS0704 | 46.2 | Separated | 0 | 0 | 0.0084 | 0 | 0.0084 |
| SH5001 | MS0522 | 88.8 | Separated | 1335 | 0 | 0.2854 | 0 | 0.2854 |
| SH5002 | MS0505-SS | 57.3 | Separated | 525 | 0 | 0.1513 | 0 | 0.1513 |
| SH5003 | MS0505-SS | 53.7 | Separated | 1170 | 0 | 0.2118 | 0 | 0.2118 |
| SH5005 | MS0505-SS | 19.4 | Separated | 275 | 0 | 0.0559 | 0 | 0.0559 |
| SH5006 | MS0523 | 163.9 | Separated | 2379 | 0 | 0.3324 | 0 | 0.3324 |
| SH5007 | MS0505-SS | 65.1 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| SH5008 | JIWWTP-LF_high | 47.6 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| SH5009 | MS0505-SS | 222.4 | Separated | 3412 | 0 | 0.7665 | | 0.7665 |
| WA5025 | JIWWTP-SS_high | 10.0 | Separated | 176 | 0 | 0.0282 | 0 | 0.0282 |
| WB5001 | MS0505-SS | 110.7 | Separated | 1611 | 0 | 0.3257 | 0 | 0.3257 |
| WB5002 | MS0505-SS | 87.3 | Separated | 915 | 0 | 0.2144 | 0 | 0.2144 |
| WB5003 | MS0523 | 86.6 | Separated | 1068 | 0 | 0.1514 | 0 | 0.1514 |
| WB5004 | MS0524 | 256.5 | Separated | 1703 | 0 | 0.5686 | 0 | 0.5686 |
| WB5005 | MS0507 | 269.5 | Separated | 3160 | 0 | 0.7013 | 0 | 0.7013 |

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|---|---|---|---|---|---|---|---|---|
| WB5007 | MS0507 | 314.1 | Separated | 3624 | 0 | 0.8306 | 0 | 0.8306 |
| WB5008 | MS0525 | 202.8 | Separated | 1483 | 0 | 0.3812 | 0 | 0.3812 |
| WB5009 | MS0505-SS | 35.8 | Separated | 599 | 0 | 0.1160 | 0 | 0.1160 |
| WE6019 | MS0103 | 95.3 | Separated | 1412 | 0 | 0.2519 | 0 | 0.2519 |
| WE6021 | MS0604 | 272.5 | Separated | 3698 | 0 | 0.6819 | 0 | 0.6819 |
| WE6024 | MS0603 | 14.6 | Separated | 266 | 0 | 0.0356 | 0 | 0.0356 |
| WM6001 | MS0603 | 211.1 | Separated | 524 | 0 | 0.3351 | 0 | 0.3351 |
| WM6002 | MS0604 | 45.0 | Separated | 889 | 0 | 0.1198 | 0 | 0.1198 |
| WM6003 | MS0603 | 141.0 | Separated | 458 | 0 | 0.2761 | 0 | 0.2761 |
| WM6010 | MS0605 | 32.50542 | Separated | 610 | 0 | 0.0573 | 0 | 0.0573 |
| WM6011 | MS0606 | 85.73129 | Separated | 1606 | 0 | 0.3677 | 0 | 0.3677 |
| WM7005 | JIWWTP-SS_low | 22.13889 | Separated | 0 | 0 | 0.0898 | 0 | 0.0898 |
| WM7007 | JIWWTP-SS_low | 28.22391 | Separated | 99 | 0 | 0.1173 | 0 | 0.1173 |
| **SOUTH SHORE** | | | | | | | | |
| CS4188#1 | MS0401-CS | 339.3 | Combined | 5485 | 0 | 1.8279 | 0 | 1.8279 |
| CS7183#1 | JIWWTP-CS_low | 49.0 | Combined | 545 | 0 | 0.2405 | 0 | 0.2405 |
| BA4001 | MS0441 | 167.0314 | Separated | 683 | 0 | 0.0987 | 0 | 0.0987 |
| BA4002 | MS0440 | 418.0 | Separated | 1322 | 0 | 0.3698 | 0 | 0.3698 |
| BA4003 | MS0440 | 304.7 | Separated | 291 | 0 | 0.1705 | 0 | 0.1705 |
| BA4004 | MS0404 | 205.4 | Separated | 830 | 0 | 0.2146 | 0 | 0.2146 |
| BA4005 | MS0409 | 24.9 | Separated | 49 | 0 | 0.0126 | 0 | 0.0126 |
| BA4006 | MS0440 | 150.7 | Separated | 317 | 0 | 0.0946 | 0 | 0.0946 |
| BA4007 | MS0409 | 39.9 | Separated | 33 | 0 | 0.0144 | 0 | 0.0144 |
| BA4008 | MS0404 | 152.5 | Separated | 615 | 0 | 0.1592 | 0 | 0.1592 |
| BA4009 | MS0406 | 76.4 | Separated | 378 | 0 | 0.1706 | 0 | 0.1706 |
| BD4001 | MS0401-SS | 386.6 | Separated | 913 | 0 | 0.9988 | 0 | 0.9988 |
| BD4002 | MS0401-SS | 393.2 | Separated | 1982 | 0 | 0.8806 | 0 | 0.8806 |
| BD4003 | MS0432 | 315.1 | Separated | 1255 | 0 | 0.4860 | 0 | 0.4860 |
| BD4004 | MS0413 | 323.2 | Separated | 1908 | 0 | 0.4797 | 0 | 0.4797 |
| BD4005 | MS0413 | 255.3 | Separated | 1419 | 0 | 0.4023 | 0 | 0.4023 |
| BD4006 | MS0431 | 568.8 | Separated | 2138 | 0 | 1.0155 | 0 | 1.0155 |
| BD4007 | MS0413 | 104.4 | Separated | 575 | 0 | 0.1513 | 0 | 0.1513 |
| BD4009 | MS0401-SS | 67.1 | Separated | 440 | 0 | 0.1443 | 0 | 0.1443 |
| BD4010 | MS0433 | 7.2 | Separated | 21 | 0 | 0.0052 | 0 | 0.0052 |
| BD4011 | MS0431 | 163.1 | Separated | 0 | 0 | 0.0002 | 0 | 0.0002 |
| BR3001 | MS0337 | 698.9 | Separated | 2427 | 0 | 0.8976 | 0 | 0.8976 |
| BR3002 | MS0301 | 138.0 | Separated | 236 | 0 | 0.0651 | 0 | 0.0651 |
| BR3003 | MS0301 | 475.9 | Separated | 1034 | 0 | 0.2875 | 0 | 0.2875 |
| BR3004 | MS0341 | 311.4 | Separated | 140 | 0 | 0.3872 | 0 | 0.3872 |
| BR3005 | MS0312 | 288.7 | Separated | 810 | 0 | 0.2086 | 0 | 0.2086 |
| BR3006 | MS0335 | 1183.6 | Separated | 2640 | 0 | 0.8691 | 0 | 0.8691 |
| BR3007 | MS0306 | 591.5 | Separated | 854 | 0 | 0.5796 | 0 | 0.5796 |
| BR3008 | MS0334 | 1400.1 | Separated | 3712 | 0 | 1.4189 | 0 | 1.4189 |
| BR3009 | MS0312 | 1216.9 | Separated | 2977 | 0 | 0.7625 | 0 | 0.7625 |
| BR3010 | MS0335 | 628.4 | Separated | 688 | 0 | 0.5290 | 0 | 0.5290 |
| BR3011 | MS0329 | 94.2 | Separated | 188 | 0 | 0.1922 | 0 | 0.1922 |
| BR3013 | MS0303 | 316.7 | Separated | 505 | 0 | 0.3358 | 0 | 0.3358 |
| BR3014 | MS0341 | 343.4 | Separated | 965 | 0 | 0.3320 | 0 | 0.3320 |
| BU3001 | MS0313 | 361.5 | Separated | 1881 | 0 | 0.6789 | 0 | 0.6789 |
| BU3002 | MS0303 | 147.5 | Separated | 0 | 0 | 0.1835 | 0 | 0.1835 |
| CU1003 | MS0110 | 359.3 | Separated | 2044 | 0 | 0.6249 | 0 | 0.6249 |
| CU1004 | MS0101 | 97.5 | Separated | 287 | 0 | 0.1250 | 0 | 0.1250 |
| CU1017 | MS0101 | 352.0 | Separated | 442 | 0 | 0.3926 | 0 | 0.3926 |
| CU1020 | SSWWTP | 51.7 | Separated | 0 | 0 | 0.0792 | 0 | 0.0792 |
| CV2001 | SSWWTP | 637.8 | Separated | 756 | 0 | 0.2847 | 0 | 0.2847 |
| EG3001 | MS0332 | 230.7 | Separated | 946 | 0 | 0.3673 | 0 | 0.3673 |

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|---|---|---|---|---|---|---|---|---|
| EG3002 | MS0306 | 358.3 | Separated | 1121 | 0 | 0.3661 | 0 | 0.3661 |
| EG3003 | MS0330 | 27.7 | Separated | 109 | 0 | 0.0470 | 0 | 0.0470 |
| EG3004 | MS0306 | 246.2 | Separated | 517 | 0 | 0.2354 | 0 | 0.2354 |
| EG3005 | MS0331 | 311.0 | Separated | 989 | 0 | 0.3631 | 0 | 0.3631 |
| EG3006 | MS0335 | 229.9 | Separated | 725 | 0 | 0.1846 | 0 | 0.1846 |
| EG3007 | MS0306 | 475.6 | Separated | 1294 | 0 | 0.5807 | 0 | 0.5807 |
| EG3008 | MS0333 | 223.2 | Separated | 548 | 0 | 0.2680 | 0 | 0.2680 |
| FP4001 | MS0404 | 293.0 | Separated | 1487 | 0 | 0.3830 | 0 | 0.3830 |
| FP4002 | MS0406 | 126.5 | Separated | 677 | 0 | 0.2904 | 0 | 0.2904 |
| FP4003 | MS0439 | 342.5 | Separated | 934 | 0 | 0.2962 | 0 | 0.2962 |
| FP4004 | MS0404 | 240.8 | Separated | 1002 | 0 | 0.2691 | 0 | 0.2691 |
| FP4007 | MS0403 | 6.6 | Separated | 53 | 0 | 0.0092 | 0 | 0.0092 |
| FP4009 | MS0404 | 47.9 | Separated | 271 | 0 | 0.0615 | 0 | 0.0615 |
| FR1010 | MS0111 | 33.3 | Separated | 279 | 0 | 0.0403 | 0 | 0.0403 |
| FR2001 | MS0224 | 2429.3 | Separated | 3913 | 0 | 0.7516 | 0 | 0.7516 |
| FR2002 | MS0204 | 658.9 | Separated | 2886 | 0 | 0.3963 | 0 | 0.3963 |
| FR2003 | MS0220 | 1213.6 | Separated | 1456 | 0 | 0.5326 | 0 | 0.5326 |
| FR2004 | MS0201 | 824.4 | Separated | 750 | 0 | 0.2313 | 0 | 0.2313 |
| FR2005 | MS0219 | 2494.3 | Separated | 4689 | 102380 | 1.2605 | 102380 | 1.2605 |
| FR2006 | MS0207 | 1313.4 | Separated | 2378 | 0 | 0.5630 | 0 | 0.5630 |
| FR2007 | MS0201 | 423.2 | Separated | 0 | 0 | 0.3561 | 0 | 0.3561 |
| FR2008 | MS0218 | 895.0 | Separated | 1616 | 0 | 0.4974 | 0 | 0.4974 |
| FR2009 | MS0217 | 481.9 | Separated | 1378 | 0 | 0.4367 | 0 | 0.4367 |
| FR2011 | MS0208 | 58.2 | Separated | 695 | 0 | 0.1091 | 0 | 0.1091 |
| FR2012 | MS0201 | 971.8 | Separated | 1791 | 0 | 0.3009 | 0 | 0.3009 |
| FR2013 | MS0201 | 527.5 | Separated | 1103 | 0 | 0.1890 | 0 | 0.1890 |
| FR2015 | MS0201 | 869.2 | Separated | 280 | 0 | 0.2635 | 0 | 0.2635 |
| FR2016 | MS0201 | 668.2 | Separated | 1082 | 0 | 0.3105 | 0 | 0.3105 |
| FR2017 | MS0201 | 855.1 | Separated | 291 | 0 | 0.2237 | 0 | 0.2237 |
| FR2019 | MS0204 | 430.7 | Separated | 129 | 0 | 0.0000 | 0 | 0.0000 |
| FR2020 | MS0201 | 6005.2 | Separated | 564 | 0 | 0.0607 | 0 | 0.0607 |
| FR2021 | MS0207 | 656.3 | Separated | 2329 | 0 | 0.4926 | 0 | 0.4926 |
| FR2022 | MS0207 | 130.6 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| FR2023 | MS0202 | 142.2 | Separated | 6 | 0 | 0.0000 | 0 | 0.0000 |
| FR2024 | MS0201 | 115.3 | Separated | 1879 | 0 | 0.0000 | 0 | 0.0000 |
| GD2001 | MS0202 | 474.3 | Separated | 1566 | 0 | 0.2501 | 0 | 0.2501 |
| GD2004 | MS0202 | 181.2 | Separated | 30 | 0 | 0.2272 | 0 | 0.2272 |
| GD2005 | MS0202 | 114.5 | Separated | 295 | 0 | 0.0535 | 0 | 0.0535 |
| GD2006 | MS0223 | 159.3 | Separated | 906 | 0 | 0.1827 | 0 | 0.1827 |
| GD2008 | MS0202 | 251.8 | Separated | 1044 | 0 | 0.1518 | 0 | 0.1518 |
| GD2009 | MS0222 | 841.9 | Separated | 4803 | 0 | 1.1521 | 0 | 1.1521 |
| GD2012 | MS0221 | 768.2 | Separated | 4646 | 0 | 0.8532 | 0 | 0.8532 |
| GD2016 | MS0208 | 156.9 | Separated | 1097 | 0 | 0.2007 | 0 | 0.2007 |
| GD2018 | MS0202 | 616.6 | Separated | 18 | 0 | 0.0208 | 0 | 0.0208 |
| GE3001 | MS0310 | 2024.0 | Separated | 2167 | 0 | 0.4609 | 0 | 0.4609 |
| GE3002 | MS0352 | 1106.3 | Separated | 4365 | 0 | 0.6003 | 0 | 0.6003 |
| GE3003 | MS0353 | 670.7 | Separated | 490 | 0 | 0.5034 | 0 | 0.5034 |
| GE3004 | MS0310 | 1473.4 | Separated | 290 | 0 | 0.3072 | 0 | 0.3072 |
| GE3005 | MS0310 | 1382.7 | Separated | 3701 | 0 | 0.4682 | 0 | 0.4682 |
| GE3006 | MS0310 | 2273.1 | Separated | 4941 | 0 | 0.7864 | 0 | 0.7864 |
| GE3007 | MS0310 | 6908.6 | Separated | 1636 | 0 | 0.0927 | 0 | 0.0927 |
| GE3008 | MS0310 | 6189.4 | Separated | 670 | 0 | 0.0677 | 0 | 0.0677 |
| GF1004 | MS0105 | 510.9 | Separated | 3542 | 0 | 0.8095 | 0 | 0.8095 |
| GF1005 | MS0105 | 528.6 | Separated | 2980 | 0 | 0.7034 | 0 | 0.7034 |
| GF1006 | MS0105 | 730.3 | Separated | 3828 | 0 | 0.8856 | 0 | 0.8856 |
| GF1011 | MS0113 | 582.5 | Separated | 2401 | 0 | 0.5472 | 0 | 0.5472 |
| GF1013 | MS0111 | 10.7 | Separated | 2 | 0 | 0.0098 | 0 | 0.0098 |

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|---|---|---|---|---|---|---|---|---|
| GF1014 | MS0111 | 53.6 | Separated | 272 | 0 | 0.0545 | 0 | 0.0545 |
| GF1016 | MS0112 | 109.1 | Separated | 735 | 0 | 0.0998 | 0 | 0.0998 |
| GF1036 | MS0102 | 81.8 | Separated | 632 | 0 | 0.1404 | 0 | 0.1404 |
| GF2001 | MS0234 | 867.5 | Separated | 2677 | 0 | 0.9524 | 0 | 0.9524 |
| GF2002 | MS0233 | 715.8 | Separated | 4544 | 0 | 0.8226 | 0 | 0.8226 |
| GF2003 | MS0205 | 680.2 | Separated | 1702 | 0 | 0.3409 | 0 | 0.3409 |
| GF2012 | MS0208 | 283.6 | Separated | 2235 | 0 | 0.4277 | 0 | 0.4277 |
| GF2020 | MS0231 | 329.6 | Separated | 1487 | 0 | 0.4109 | 0 | 0.4109 |
| GF2022 | MS0203 | 117.1 | Separated | 38 | 0 | 0.0792 | 0 | 0.0792 |
| GF2023 | MS0212 | 13.0 | Separated | 172 | 0 | 0.0277 | 0 | 0.0277 |
| GF2026 | MS0202 | 125.4 | Separated | 205 | 0 | 0.0892 | 0 | 0.0892 |
| GF2027 | MS0230 | 38.3 | Separated | 0 | 0 | 0.0238 | 0 | 0.0238 |
| GF2033 | MS0203 | 218.4 | Separated | 684 | 0 | 0.1054 | 0 | 0.1054 |
| GF2034 | MS0232 | 24.1 | Separated | 185 | 0 | 0.0518 | 0 | 0.0518 |
| GF2035 | MS0205 | 446.9 | Separated | 978 | 0 | 0.2262 | 0 | 0.2262 |
| GF2037 | MS0208 | 8.0 | Separated | 11 | 0 | 0.0000 | 0 | 0.0000 |
| GF6032 | MS0102 | 109.6 | Separated | 0 | 0 | 0.0063 | 0 | 0.0063 |
| GL4024 | MS0401-SS | 9.5 | Separated | 78 | 0 | 0.0218 | 0 | 0.0218 |
| GL4025 | MS0437 | 401.7 | Separated | 1939 | 0 | 0.5527 | 0 | 0.5527 |
| GL4031 | MS0404 | 10.1 | Separated | 48 | 0 | 0.0138 | 0 | 0.0138 |
| GL4053 | MS0430 | 92.5 | Separated | 146 | 0 | 0.1895 | 0 | 0.1895 |
| GL4055 | MS0403 | 72.4 | Separated | 281 | 0 | 0.0830 | 0 | 0.0830 |
| HC2001 | MS0202 | 171.0 | Separated | 349 | 0 | 0.0752 | 0 | 0.0752 |
| HC2002 | MS0232 | 171.2 | Separated | 637 | 0 | 0.2801 | 0 | 0.2801 |
| HC2003 | MS0228 | 181.7 | Separated | 766 | 0 | 0.2128 | 0 | 0.2128 |
| HC2004 | MS0209 | 383.4 | Separated | 1862 | 0 | 0.3919 | 0 | 0.3919 |
| HC2005 | MS0229 | 158.0 | Separated | 625 | 0 | 0.1558 | 0 | 0.1558 |
| HC2006 | MS0230 | 294.1 | Separated | 983 | 0 | 0.3275 | 0 | 0.3275 |
| HC2007 | MS0205 | 45.7 | Separated | 104 | 0 | 0.0422 | 0 | 0.0422 |
| HC2008 | MS0204 | 249.8 | Separated | 20 | 0 | 0.0001 | 0 | 0.0001 |
| HC2009 | MS0209 | 391.0 | Separated | 2419 | 0 | 0.5825 | 0 | 0.5825 |
| ME3009 | MS0308 | 909.2 | Separated | 850 | 0 | 0.2630 | 0 | 0.2630 |
| ME3013 | MS0308 | 5140.7 | Separated | 826 | 0 | 0.0343 | 0 | 0.0343 |
| ME4001 | MS0445 | 1660.9 | Separated | 2571 | 0 | 0.4609 | 0 | 0.4609 |
| ME4002 | MS0443 | 918.4 | Separated | 1399 | 0 | 0.4606 | 0 | 0.4606 |
| ME4003 | MS0444 | 1432.8 | Separated | 2355 | 0 | 0.5153 | 0 | 0.5153 |
| ME4004 | MS0409 | 2497.7 | Separated | 4579 | 0 | 1.3662 | 0 | 1.3662 |
| ME4005 | MS0442 | 342.3 | Separated | 796 | 0 | 0.2428 | 0 | 0.2428 |
| ME4006 | MS0434 | 1238.7 | Separated | 1724 | 0 | 0.7533 | 0 | 0.7533 |
| ME4008 | MS0408 | 3753.8 | Separated | 3558 | 0 | 1.2994 | 0 | 1.2994 |
| ME4010 | MS0435 | 2017.1 | Separated | 2220 | 0 | 0.4109 | 0 | 0.4109 |
| ME4011 | MS0436 | 60.5 | Separated | 109 | 0 | 0.0536 | 0 | 0.0536 |
| ME4012 | MS0409 | 3851.8 | Separated | 530 | 0 | 0.0127 | 0 | 0.0127 |
| ME4014 | MS0408 | 5733.5 | Separated | 758 | 0 | 0.0226 | 0 | 0.0226 |
| ME4015 | MS0408 | 168.0 | Separated | 38 | 0 | 0.0000 | 0 | 0.0000 |
| MF3001 | MS0343 | 1595.2 | Separated | 6168 | 0 | 1.5152 | 0 | 1.5152 |
| MF3003 | MS0345 | 969.3 | Separated | 3756 | 0 | 0.9793 | 0 | 0.9793 |
| MF3004 | MS0307 | 2687.4 | Separated | 7307 | 0 | 1.0548 | 0 | 1.0548 |
| MF3005 | MS0342 | 4055.0 | Separated | 8347 | 0 | 1.2647 | 0 | 1.2647 |
| MF3006 | MS0311 | 542.4 | Separated | 695 | 0 | 1.0519 | 0 | 1.0519 |
| MF3007 | MS0308 | 532.0 | Separated | 75 | 0 | 0.0683 | 0 | 0.0683 |
| MF3008 | MS0310 | 814.6 | Separated | 557 | 0 | 0.1579 | 0 | 0.1579 |
| MF3009 | MS0344 | 399.0 | Separated | 2252 | 0 | 0.5584 | 0 | 0.5584 |
| MF3011 | MS0303 | 162.1 | Separated | 4 | 0 | 0.0022 | 0 | 0.0022 |
| MF3012 | MS0303 | 721.2 | Separated | 211 | 0 | 0.3734 | 0 | 0.3734 |
| MI1074 | MS0103 | 14.6 | Separated | 14 | 0 | 0.0205 | 0 | 0.0205 |
| MI1077 | MS0102 | 343.5 | Separated | 2839 | 0 | 0.6213 | 0 | 0.6213 |

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|---|---|---|---|---|---|---|---|---|
| MI1079 | MS0102 | 279.5 | Separated | 1815 | 0 | 0.4346 | 0 | 0.4346 |
| MI1080 | MS0102 | 376.4 | Separated | 3192 | 0 | 0.6832 | 0 | 0.6832 |
| MI1082 | MS0112 | 254.2 | Separated | 1462 | 0 | 0.2117 | 0 | 0.2117 |
| MI1083 | MS0112 | 133.8 | Separated | 751 | 0 | 0.1014 | 0 | 0.1014 |
| MI1084 | MS0112 | 279.7 | Separated | 2901 | 0 | 0.3119 | 0 | 0.3119 |
| MI1085 | MS0111 | 111.0 | Separated | 1106 | 0 | 0.1432 | 0 | 0.1432 |
| MI1086 | MS0111 | 211.4 | Separated | 732 | 0 | 0.2047 | 0 | 0.2047 |
| MI1087 | MS0101 | 437.0 | Separated | 781 | 0 | 0.4959 | 0 | 0.4959 |
| MI1088 | MS0101 | 1960.8 | Separated | 604 | 364980 | 1.0475 | 364980 | 1.0475 |
| MI1097 | MS0117 | 138.5 | Separated | 1420 | 0 | 0.1031 | 0 | 0.1031 |
| MI1100 | MS0116 | 118.1 | Separated | 1631 | 0 | 0.2864 | 0 | 0.2864 |
| MI1101 | MS0115 | 311.4 | Separated | 2707 | 0 | 0.3413 | 0 | 0.3413 |
| MI1102 | MS0114 | 347.2 | Separated | 4016 | 0 | 0.7324 | 0 | 0.7324 |
| MI1103 | MS0113 | 63.6 | Separated | 76 | 0 | 0.0737 | 0 | 0.0737 |
| MI1123 | MS0118 | 47.3 | Separated | 700 | 0 | 0.1793 | 0 | 0.1793 |
| MI1128 | MS0105 | 159.4 | Separated | 1136 | 0 | 0.2318 | 0 | 0.2318 |
| MI1130 | MS0102 | 19.9 | Separated | 384 | 0 | 0.0573 | 0 | 0.0573 |
| MI1135 | MS0101 | 130.4 | Separated | 1216 | 0 | 0.2411 | 0 | 0.2411 |
| MI1136 | MS0102 | 555.4 | Separated | 1904 | 158066.7 | 1.0406 | 158066.7 | 1.0406 |
| MI1137 | MS0104 | 386.9 | Separated | 4209 | 0 | 0.9977 | 0 | 0.9977 |
| MI1150 | MS0115 | 330.9 | Separated | 2217 | 0 | 0.3604 | 0 | 0.3604 |
| MI1158 | MS0102 | 99.7 | Separated | 472 | 0 | 0.1369 | 0 | 0.1369 |
| MI2094 | MS0233 | 292.4 | Separated | 2994 | 0 | 0.4862 | 0 | 0.4862 |
| MI2126 | MS0212 | 88.6 | Separated | 1084 | 0 | 0.1884 | 0 | 0.1884 |
| MI3026 | MS0303 | 567.2 | Separated | 1340 | 0 | 0.3250 | 0 | 0.3250 |
| MI3027 | MS0303 | 424.7 | Separated | 812 | 0 | 0.4293 | 0 | 0.4293 |
| MI3028 | MS0308 | 1688.6 | Separated | 2390 | 0 | 1.0434 | 0 | 1.0434 |
| MI3029 | MS0351 | 529.8 | Separated | 3390 | 0 | 1.0065 | 0 | 1.0065 |
| MI3030 | MS0350 | 450.1 | Separated | 3194 | 0 | 0.8322 | 0 | 0.8322 |
| MI3031 | MS0350 | 718.4 | Separated | 765 | 0 | 1.0181 | 0 | 1.0181 |
| MI3032 | MS0349 | 349.1 | Separated | 2993 | 0 | 0.9478 | 0 | 0.9478 |
| MI3033 | MS0304 | 281.2 | Separated | 2524 | 0 | 0.2824 | 0 | 0.2824 |
| MI3034 | MS0348 | 420.1 | Separated | 1171 | 0 | 0.4410 | 0 | 0.4410 |
| MI3035 | MS0347 | 445.1 | Separated | 3024 | 0 | 1.0738 | 0 | 1.0738 |
| MI3036 | MS0346 | 431.2 | Separated | 5281 | 0 | 0.7005 | 0 | 0.7005 |
| MI3037 | MS0304 | 629.7 | Separated | 3719 | 0 | 0.7291 | 0 | 0.7291 |
| MI3038 | MS0340 | 53.0 | Separated | 851 | 0 | 0.1974 | 0 | 0.1974 |
| MI3040 | MS0340 | 331.9 | Separated | 3568 | 0 | 0.9642 | 0 | 0.9642 |
| MI3041 | MS0339 | 379.3 | Separated | 4414 | 0 | 0.6306 | 0 | 0.6306 |
| MI3061 | MS0399 | 148.2 | Separated | 0 | 451782.5 | 0.7373 | 451782.5 | 0.7373 |
| MI3062 | WWTemp2 | 323.9 | Separated | 1684 | 0 | 0.2588 | 0 | 0.2588 |
| MI3063 | MS0319 | 38.7 | Separated | 354 | 0 | 0.0747 | 0 | 0.0747 |
| MI3064 | MS0103 | 102.5 | Separated | 596 | 0 | 0.2264 | 0 | 0.2264 |
| MI3065 | MS0338 | 206.6 | Separated | 1851 | 0 | 0.4347 | 0 | 0.4347 |
| MI3095 | MS0315 | 515.2 | Separated | 6382 | 0 | 0.7353 | 0 | 0.7353 |
| MI3096 | MS0316 | 560.7 | Separated | 5208 | 0 | 1.9526 | 0 | 1.9526 |
| MI3122 | MS0321 | 120.0 | Separated | 268 | 0 | 0.1619 | 0 | 0.1619 |
| MI3124 | MS0305 | 21.2 | Separated | 68 | 0 | 0.0436 | 0 | 0.0436 |
| MI3132 | MS0303 | 586.8 | Separated | 72 | 0 | 0.3973 | 0 | 0.3973 |
| MI3134 | MS0346 | 328.5 | Separated | 0 | 0 | 0.0002 | 0 | 0.0002 |
| MI3138 | MS0410 | 6.7 | Separated | 93 | 0 | 0.0086 | 0 | 0.0086 |
| MI3151 | MS0308 | 787.4 | Separated | 4000 | 192495 | 0.9081 | 192495 | 0.9081 |
| MI3152 | MS0308 | 975.6 | Separated | 1737 | 0 | 0.7457 | 0 | 0.7457 |
| MI3153 | MS0304 | 256.5 | Separated | 1160 | 0 | 0.1871 | 0 | 0.1871 |
| MI3154 | MS0304 | 631.2 | Separated | 3089 | 0 | 0.4963 | 0 | 0.4963 |
| MI4001 | MS0433 | 1307.1 | Separated | 6416 | 0 | 1.6044 | 0 | 1.6044 |
| MI4002 | MS0413 | 676.7 | Separated | 3907 | 0 | 1.2846 | 0 | 1.2846 |

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|---|---|---|---|---|---|---|---|---|
| MI4003 | MS0430 | 304.0 | Separated | 2446 | 0 | 0.7213 | 0 | 0.7213 |
| MI4004 | MS0428 | 960.8 | Separated | 4022 | 0 | 0.6823 | 0 | 0.6823 |
| MI4005 | MS0429 | 117.4 | Separated | 1620 | 0 | 0.2721 | 0 | 0.2721 |
| MI4006 | MS0428 | 549.5 | Separated | 1634 | 0 | 0.3286 | 0 | 0.3286 |
| MI4007 | MS0427 | 571.0 | Separated | 6885 | 0 | 1.5785 | 0 | 1.5785 |
| MI4008 | MS0426 | 213.7 | Separated | 3720 | 0 | 0.6841 | 0 | 0.6841 |
| MI4009 | MS0425 | 421.6 | Separated | 4133 | 0 | 1.1447 | 0 | 1.1447 |
| MI4010 | MS0423 | 292.6 | Separated | 4023 | 0 | 0.4742 | 0 | 0.4742 |
| MI4011 | MS0407 | 213.8 | Separated | 1934 | 0 | 0.4515 | 0 | 0.4515 |
| MI4012 | MS0422 | 76.9 | Separated | 823 | 0 | 0.2557 | 0 | 0.2557 |
| MI4014 | MS0421 | 311.3 | Separated | 4408 | 0 | 0.6517 | 0 | 0.6517 |
| MI4021 | MS0401-SS | 188.2 | Separated | 1410 | 0 | 0.4978 | 0 | 0.4978 |
| MI4042 | MS0401-SS | 518.9 | Separated | 4660 | 0 | 1.2503 | 0 | 1.2503 |
| MI4043 | MS0401-SS | 151.0 | Separated | 2031 | 0 | 0.4257 | 0 | 0.4257 |
| MI4044 | MS0401-SS | 124.6 | Separated | 1795 | 0 | 0.3647 | 0 | 0.3647 |
| MI4046 | MS0418 | 275.5 | Separated | 5216 | 0 | 0.6524 | 0 | 0.6524 |
| MI4067 | MS0411 | 168.6 | Separated | 2062 | 0 | 0.4189 | 0 | 0.4189 |
| MI4071 | MS0416 | 381.9 | Separated | 4353 | 0 | 1.3173 | 0 | 1.3173 |
| MI4073 | MS0419 | 408.5 | Separated | 4826 | 0 | 1.2539 | 0 | 1.2539 |
| MI4075 | MS0401-SS | 4.0 | Separated | 93 | 0 | 0.0140 | 0 | 0.0140 |
| MI4114 | MS0431 | 59.5 | Separated | 484 | 0 | 0.1225 | 0 | 0.1225 |
| MI4121 | MS0410 | 268.1 | Separated | 1858 | 0 | 0.5327 | 0 | 0.5327 |
| MI4139 | MS0420 | 111.4 | Separated | 1650 | 0 | 0.3448 | 0 | 0.3448 |
| MI4140 | MS0407 | 246.3 | Separated | 3119 | 0 | 0.6162 | 0 | 0.6162 |
| MI4141 | MS0424 | 245.2 | Separated | 2080 | 0 | 0.2755 | 0 | 0.2755 |
| MI4142 | MS0401-SS | 403.1 | Separated | 420 | 0 | 0.8297 | 0 | 0.8297 |
| MI4155 | MS0401-SS | 61.8 | Separated | 757 | 0 | 0.1693 | 0 | 0.1693 |
| MI4156 | MS0401-SS | 61.2 | Separated | 653 | 0 | 0.1548 | 0 | 0.1548 |
| MI4159 | MS0417 | 19.0 | Separated | 155 | 0 | 0.0337 | 0 | 0.0337 |
| MI4160 | MS0419 | 232.7 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| MI4161 | MS0401-SS | 38.8 | Separated | 635 | 0 | 0.1151 | 0 | 0.1151 |
| MI4168 | MS0412 | 84.0 | Separated | 256 | 0 | 0.1208 | 0 | 0.1208 |
| MI6107 | MS0102 | 245.1 | Separated | 1351 | 0 | 0.4799 | 0 | 0.4799 |
| MU2001 | MS0211 | 3997.8 | Separated | 4972 | 0 | 1.0521 | 0 | 1.0521 |
| MU2002 | MS0211 | 985.7 | Separated | 1354 | 0 | 0.2485 | 0 | 0.2485 |
| MU2003 | MS0204 | 2939.2 | Separated | 1049 | 0 | 0.4358 | 0 | 0.4358 |
| MU2004 | MS0211 | 3787.9 | Separated | 497 | 0 | 0.0029 | 0 | 0.0029 |
| MU2005 | MS0225 | 1396.1 | Separated | 4485 | 0 | 1.2190 | 0 | 1.2190 |
| MU2006 | MS0226 | 959.8 | Separated | 3204 | 0 | 1.0874 | 0 | 1.0874 |
| MU2007 | MS0227 | 1781.7 | Separated | 4505 | 0 | 1.0921 | 0 | 1.0921 |
| NB2002 | MS0235 | 108.3 | Separated | 613 | 0 | 0.1349 | 0 | 0.1349 |
| NB2003 | MS0234 | 834.4 | Separated | 4344 | 0 | 1.0026 | 0 | 1.0026 |
| NB2007 | MS0210 | 2086.9 | Separated | 3745 | 0 | 1.1289 | 0 | 1.1289 |
| NB2008 | MS0227 | 123.3 | Separated | 215 | 0 | 0.0616 | 0 | 0.0616 |
| NB2009 | MS0213 | 1549.5 | Separated | 5568 | 0 | 1.0677 | 0 | 1.0677 |
| NB2010 | MS0210 | 615.3 | Separated | 1148 | 0 | 0.0156 | 0 | 0.0156 |
| NB2011 | MS0210 | 1686.5 | Separated | 6307 | 0 | 1.1455 | 0 | 1.1455 |
| NB2013 | MS0210 | 3028.1 | Separated | 1772 | 0 | 0.0371 | 0 | 0.0371 |
| NB2014 | MS0227 | 402.5 | Separated | 0 | 0 | 0.0026 | 0 | 0.0026 |
| NB2016 | MS0225 | 7.8 | Separated | 4 | 0 | 0.0051 | 0 | 0.0051 |
| NB2017 | MS0227 | 623.4 | Separated | 365 | 0 | 0.0076 | | 0.0076 |
| NB3001 | MS0324 | 802.4 | Separated | 3532 | 0 | 0.7990 | 0 | 0.7990 |
| NB3004 | MS0203 | 27.5 | Separated | 199 | 0 | 0.0212 | 0 | 0.0212 |
| NB3005 | MS0325 | 202.5 | Separated | 886 | 0 | 0.2061 | 0 | 0.2061 |
| NB3006 | MS0326 | 2478.6 | Separated | 4337 | 0 | 1.7756 | 0 | 1.7756 |
| NB3012 | MS0203 | 287.9 | Separated | 1271 | 0 | 0.1583 | 0 | 0.1583 |
| NB3015 | MS0326 | 540.5 | Separated | 18 | 0 | 0.0212 | 0 | 0.0212 |

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|---|---|---|---|---|---|---|---|---|
| OC1001 | MS0106 | 986.1 | Separated | 2631 | 0 | 0.5323 | 0 | 0.5323 |
| OC1003 | MS0106 | 1257.1 | Separated | 2042 | 0 | 0.5393 | 0 | 0.5393 |
| OC1005 | SSWWTP | 621.0 | Separated | 1235 | 0 | 0.3081 | 0 | 0.3081 |
| OC1006 | MS0109 | 448.1 | Separated | 905 | 198785 | 0.5612 | 198785 | 0.5612 |
| OC1007 | MS0111 | 199.7 | Separated | 1238 | 0 | 0.2183 | 0 | 0.2183 |
| OC1010 | SSWWTP | 287.0 | Separated | 1093 | 0 | 0.1790 | 0 | 0.1790 |
| OC1019 | SSWWTP | 920.8 | Separated | 2076 | 0 | 0.6264 | 0 | 0.6264 |
| OC1024 | MS0109 | 961.9 | Separated | 3 | 0 | 0.0533 | 0 | 0.0533 |
| OC1028 | MS0106 | 1096.4 | Separated | 990 | 0 | 0.6920 | 0 | 0.6920 |
| OC1029 | SSWWTP | 76.9 | Separated | 56 | 0 | 0.0322 | 0 | 0.0322 |
| OC2002 | SSWWTP | 672.4 | Separated | 1102 | 0 | 0.3241 | 0 | 0.3241 |
| OC2004 | MS0214 | 914.7 | Separated | 2269 | 0 | 0.5390 | 0 | 0.5390 |
| OC2012 | MS0216 | 1064.2 | Separated | 1919 | 0 | 0.3821 | 0 | 0.3821 |
| OC2013 | SSWWTP | 989.2 | Separated | 943 | 0 | 0.4512 | 0 | 0.4512 |
| OC2014 | SSWWTP | 769.0 | Separated | 486 | 0 | 0.3812 | 0 | 0.3812 |
| OC2015 | MS0215 | 347.7 | Separated | 1754 | 0 | 0.3646 | 0 | 0.3646 |
| OC2017 | SSWWTP | 745.2 | Separated | 1625 | 0 | 0.4108 | 0 | 0.4108 |
| OC2025 | SSWWTP | 975.3 | Separated | 634 | 0 | 0.4034 | 0 | 0.4034 |
| OC2027 | SSWWTP | 2164.7 | Separated | 3271 | 0 | 1.3595 | 0 | 1.3595 |
| OC2030 | SSWWTP | 1039.2 | Separated | 802 | 0 | 0.5182 | 0 | 0.5182 |
| OC2031 | SSWWTP | 741.8 | Separated | 457 | 0 | 0.3050 | 0 | 0.3050 |
| OC2032 | SSWWTP | 939.2 | Separated | 925 | 0 | 0.4089 | 0 | 0.4089 |
| RH4003 | MS0441 | 666.0 | Separated | 525 | 0 | 0.1722 | 0 | 0.1722 |
| RH4004 | MS0404 | 114.5 | Separated | 43 | 0 | 0.0799 | 0 | 0.0799 |
| SF1003 | MS0101 | 155.4 | Separated | 382 | 0 | 0.1997 | 0 | 0.1997 |
| SF1006 | MS0101 | 51.4 | Separated | 531 | 0 | 0.0985 | 0 | 0.0985 |
| TH4001 | MS0436 | 689.0 | Separated | 3254 | 0 | 0.9793 | 0 | 0.9793 |
| WA3006 | MS0328 | 140.6 | Separated | 1388 | 0 | 0.3251 | 0 | 0.3251 |
| WA3007 | MS0301 | 367.2 | Separated | 3981 | 0 | 0.3989 | 0 | 0.3989 |
| WA3008 | MS0340 | 421.1 | Separated | 3026 | 0 | 0.9827 | 0 | 0.9827 |
| WA3009 | MS0303 | 1061.7 | Separated | 2064 | 0 | 0.8239 | 0 | 0.8239 |
| WA3011A | WWTemp1 | 333.4 | Separated | 0 | 0 | 0.1949 | 0 | 0.1949 |
| WA3011B | WWTemp1 | 459.0 | Separated | 1792 | 0 | 0.3370 | 0 | 0.3370 |
| WA3012 | MS0330 | 314.1 | Separated | 2116 | 0 | 0.6350 | 0 | 0.6350 |
| WA3013 | MS0329 | 216.8 | Separated | 1845 | 0 | 0.4718 | 0 | 0.4718 |
| WA3014 | MS0322 | 130.7 | Separated | 856 | 0 | 0.2691 | 0 | 0.2691 |
| WA3015 | WWTemp2 | 14.8 | Separated | 2 | 0 | 0.0243 | 0 | 0.0243 |
| WA3018 | WWTemp2 | 72.3 | Separated | 0 | 0 | 0.0258 | 0 | 0.0258 |
| WA3019 | MS0301 | 696.2 | Separated | 407 | 691140 | 1.2037 | 691140 | 1.2037 |
| WA3027 | MS0410 | 71.4 | Separated | 828 | 0 | 0.0791 | 0 | 0.0791 |
| WA3029 | WWTemp2 | 144.9 | Separated | 1252 | 0 | 0.1644 | 0 | 0.1644 |
| WA3031 | MS0301 | 209.2 | Separated | 0 | 0 | 0.0019 | 0 | 0.0019 |
| WA3032 | MS0327 | 194.4 | Separated | 1340 | 0 | 0.3365 | 0 | 0.3365 |
| WA3034 | MS0303 | 27.3 | Separated | 131 | 0 | 0.0220 | 0 | 0.0220 |
| WA3037A | MS0301 | 249.0 | Separated | 1121 | 0 | 0.2761 | 0 | 0.2761 |
| WA3037B | WWTemp1 | 222.3 | Separated | 302 | 0 | 0.2131 | 0 | 0.2131 |
| WA3038 | MS0301 | 73.2 | Separated | 479 | 0 | 0.0629 | 0 | 0.0629 |
| WA3039 | MS0301 | 50.0 | Separated | 372 | 0 | 0.0435 | 0 | 0.0435 |
| WA4001 | MS0411 | 223.4 | Separated | 3340 | 0 | 0.6174 | 0 | 0.6174 |
| WA4002 | MS0411 | 290.9 | Separated | 4925 | 0 | 0.8603 | 0 | 0.8603 |
| WA4003 | MS0410 | 511.4 | Separated | 4749 | 0 | 1.0901 | 0 | 1.0901 |
| WA4004 | MS0410 | 365.3 | Separated | 3016 | 0 | 0.7642 | 0 | 0.7642 |
| WA4005 | MS0410 | 350.7 | Separated | 2638 | 0 | 0.6446 | 0 | 0.6446 |
| WA4010 | MS0417 | 762.6 | Separated | 1595 | 335940 | 1.9462 | 335940 | 1.9462 |
| WA4016 | MS0417 | 199.1 | Separated | 964 | 0 | 0.2886 | 0 | 0.2886 |
| WA4033 | MS0103 | 16.3 | Separated | 209 | 0 | 0.0398 | 0 | 0.0398 |
| WA4035 | MS0411 | 157.5 | Separated | 1629 | 0 | 0.3640 | 0 | 0.3640 |

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|---|---|---|---|---|---|---|---|---|
| WA4036 | MS0410 | 109.0 | Separated | 728 | 0 | 0.2073 | 0 | 0.2073 |
| WE1018 | MS0118 | 149.1 | Separated | 1840 | 0 | 0.5231 | 0 | 0.5231 |
| WE1032 | MS0117 | 167.7 | Separated | 2301 | 0 | 0.1545 | 0 | 0.1545 |
| WE1034 | MS0103 | 65.7 | Separated | 1238 | 0 | 0.1972 | 0 | 0.1972 |
| WE1040 | MS0103 | 87.3 | Separated | 1349 | 0 | 0.2375 | 0 | 0.2375 |
| WE2001 | MS0235 | 184.9 | Separated | 1016 | 0 | 0.2265 | 0 | 0.2265 |
| WE2002 | MS0203 | 136.3 | Separated | 2010 | 0 | 0.2323 | 0 | 0.2323 |
| WE2003 | MS0203 | 140.7 | Separated | 303 | 0 | 0.0543 | 0 | 0.0543 |
| WE2004 | MS0212 | 493.0 | Separated | 2347 | 0 | 0.7847 | 0 | 0.7847 |
| WE2006 | MS0212 | 371.2 | Separated | 3548 | 0 | 0.6664 | 0 | 0.6664 |
| WE2030 | MS0213 | 14.7 | Separated | 56 | 0 | 0.0106 | 0 | 0.0106 |
| WE2041 | MS0205 | 16.4 | Separated | 0 | 0 | 0.0000 | 0 | 0.0000 |
| WE3005 | MS0320 | 429.7 | Separated | 2253 | 0 | 0.7555 | 0 | 0.7555 |
| WE3007 | MS0320 | 284.2 | Separated | 165 | 0 | 0.3712 | 0 | 0.3712 |
| WE3008 | MS0320 | 167.5 | Separated | 1840 | 0 | 0.2962 | 0 | 0.2962 |
| WE3009 | MS0319 | 146.8 | Separated | 1130 | 0 | 0.2528 | 0 | 0.2528 |
| WE3010 | WWTemp2 | 386.8 | Separated | 1174 | 0 | 0.3553 | 0 | 0.3553 |
| WE3011 | MS0337 | 219.7 | Separated | 1183 | 0 | 0.3448 | 0 | 0.3448 |
| WE3012 | MS0321 | 134.6 | Separated | 2171 | 0 | 0.3613 | 0 | 0.3613 |
| WE3013 | MS0309 | 209.2 | Separated | 3073 | 0 | 4.9079 | 0 | 4.9079 |
| WE3014 | MS0317 | 181.2 | Separated | 1664 | 0 | 0.6654 | 0 | 0.6654 |
| WE3015 | MS0314 | 191.9 | Separated | 1615 | 0 | 0.5268 | 0 | 0.5268 |
| WE3016 | MS0305 | 290.0 | Separated | 2167 | 0 | 0.5607 | 0 | 0.5607 |
| WE3017 | MS0316 | 100.2 | Separated | 814 | 0 | 0.3207 | 0 | 0.3207 |
| WE3022 | MS0323 | 240.7 | Separated | 2283 | 0 | 0.5403 | 0 | 0.5403 |
| WE3025 | MS0103 | 143.6 | Separated | 0 | 0 | 0.1496 | 0 | 0.1496 |
| WE3028 | MS0318 | 183.8 | Separated | 2491 | 129450 | 0.6583 | 129450 | 0.6583 |
| WE3029 | WWTemp2 | 300.2 | Separated | 0 | 0 | 0.0008 | 0 | 0.0008 |
| WE3031 | WWTemp2 | 193.9 | Separated | 1580 | 0 | 0.2676 | 0 | 0.2676 |
| WE3033 | MS0103 | 140.9 | Separated | 1865 | 0 | 0.3349 | 0 | 0.3349 |
| WE3036 | MS0103 | 113.1 | Separated | 1442 | 0 | 0.2703 | 0 | 0.2703 |
| WE3037 | MS0103 | 29.5 | Separated | 242 | 0 | 0.0672 | 0 | 0.0672 |
| WE3038 | MS0320 | 177.7 | Separated | 1564 | 0 | 0.0203 | 0 | 0.0203 |
| WE3039 | MS0318 | 145.9 | Separated | 2065 | 0 | 0.0482 | 0 | 0.0482 |
| WE4023 | MS0415 | 331.3 | Separated | 4107 | 0 | 1.1618 | 0 | 1.1618 |
| WE4026 | MS0416 | 71.9 | Separated | 0 | 0 | 0.2314 | 0 | 0.2314 |
| WE4035 | MS0103 | 108.9 | Separated | 856 | 0 | 0.2890 | 0 | 0.2890 |
| | | | | | | | | |
| CSSW002 | River | 11.7 | Combined | 0 | 0 | 0.0143 | 0 | 0.0143 |
| CSSW003 | River | 152.7 | Combined | 0 | 0 | 0.1664 | 0 | 0.1664 |
| CSSW004 | River | 17.9 | Combined | 0 | 0 | 0.0508 | 0 | 0.0508 |
| CSSW005 | River | 48.8 | Combined | 0 | 0 | 0.0202 | 0 | 0.0202 |
| CSSW006 | River | 68.4 | Combined | 166 | 0 | 0.0741 | 0 | 0.0741 |
| River | River | 167.0 | Combined | 0 | 0 | 0.5360 | 0 | 0.5360 |

Note:
All grayed sewershed are sewershed that discharge flow to rivers in the MMSD service area. River sewersheds are not served by either WWTP.

## REVISED 2020 BASELINE CONDITION AVERAGE DAY – FLOW MODEL OUTPUT

**AVERAGE DAY (BOTH Flow goes to JIWWTP)**

| | |
|---|---|
| JIWWTP | **99.6** MGD |
| SSWWTP | **116** MGD |

I/I Check

| | |
|---|---|
| Revised 2020 Baseline I/I | **104.3** MGD |
| Assume Ave I/I difference between Avg. Flow & BSF | |
| Actual 2003 I/I | **101.0** MGD |

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| **BOTH TREATMENT PLANTS** | | | | | | | | | | |
| BD5008 | M14906 | 10.7 | Separated | 28.0 | 0 | 5/10/1990 8:00 | 0.1 | 5/10/1990 | 0.008 | 28 |
| BD5012 | MS0532 | 76.6 | Separated | 1430 | 1 | 6/21/1997 8:00 | 0.4 | 5/10/1990 | 0.126 | 1422 |
| BD5013 | MS0532 | 140.4 | Separated | 61 | 1 | 6/21/1997 8:00 | 0.6 | 5/10/1990 | 0.120 | 61 |
| CU6001 | MS0614 | 316.9 | Separated | 2063 | 5 | 5/10/1990 8:00 | 3.3 | 5/10/1990 | 0.325 | 2059 |
| CU6002 | MS0614 | 188.6 | Separated | 1342 | 3 | 5/10/1990 8:00 | 2.0 | 5/10/1990 | 0.179 | 1339 |
| CU6005 | MS0613 | 205.4 | Separated | 1750.0 | 17 | 5/22/1991 11:00 | 3.4 | 6/21/1997 | 0.252 | 1746 |
| CU6007 | MS0614 | 153.4 | Separated | 663 | 2 | 5/10/1990 8:00 | 1.6 | 5/10/1990 | 0.184 | 669 |
| CU6008 | MS0101 | 248.3 | Separated | 1618 | 7 | 5/10/1990 8:00 | 5.7 | 5/10/1990 | 2.013 | 1650 |
| CU6009 | MS0617 | 173.2 | Separated | 684 | 14 | 5/22/1991 11:00 | 4.0 | 5/10/1990 | 1.242 | 689 |
| CU6010 | MS0616 | 229.5 | Separated | 2976 | 17 | 5/22/1991 11:00 | 4.7 | 5/10/1990 | 1.093 | 2992 |
| CU6012 | MS0615 | 212.2 | Separated | 2271 | 19 | 5/22/1991 11:00 | 3.9 | 6/21/1997 | 0.436 | 2363 |
| CU6013 | MS0101 | 141.1 | Separated | 1625 | 1 | 5/10/1990 9:00 | 1.1 | 5/10/1990 | 0.279 | 1628 |
| CU6014 | MS0101 | 57.7 | Separated | 664 | 1 | 5/10/1990 9:00 | 0.5 | 5/10/1990 | 0.114 | 662 |
| CU6015 | MS0101 | 49.0 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| CU6019 | MS0617 | 222.2 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| FP5005 | MS0438 | 333.1 | Separated | 1298 | 5 | 5/10/1990 8:00 | 3.9 | 5/10/1990 | 0.440 | 1287 |
| FP5006 | MS0438 | 311.5 | Separated | 1186 | 5 | 5/10/1990 8:00 | 3.7 | 5/10/1990 | 0.423 | 1195 |
| FP5008 | MS0438 | 140.9 | Separated | 104 | 2 | 5/10/1990 8:00 | 1.6 | 5/10/1990 | 0.125 | 108 |
| GF6007 | MS0607 | 148.2 | Separated | 1569 | 15 | 5/22/1991 11:00 | 4.2 | 6/21/1997 | 0.245 | 1567 |
| GF6008 | MS0608 | 102.1 | Separated | 895 | 10 | 5/22/1991 11:00 | 1.9 | 6/21/1997 | 0.201 | 890 |
| GF6010 | MS0602 | 425.1 | Separated | 2162 | 17 | 5/22/1991 11:00 | 4.6 | 5/10/1990 | 0.563 | 2344 |
| GF6015 | MS0602 | 64.3 | Separated | 868 | 3 | 5/22/1991 11:00 | 0.7 | 5/10/1990 | 0.111 | 875 |
| GF6019 | MS0102 | 13.0 | Separated | 80 | 0 | 6/21/1997 8:00 | 0.3 | 5/10/1990 | 0.031 | 80 |
| GF6021 | MS0608 | 49.4 | Separated | 592 | 5 | 5/22/1991 11:00 | 0.9 | 6/21/1997 | 0.105 | 596 |
| GL5028 | MS0509 | 40.3 | Separated | 115 | 1 | 5/10/1990 8:00 | 0.5 | 5/10/1990 | 0.081 | 117 |
| GL5030 | MS0531 | 30.4 | Separated | 126 | 0 | 5/10/1990 8:00 | 0.2 | 5/10/1990 | 0.026 | 126 |
| GL5032 | MS0438 | 13.2 | Separated | 70 | 0 | 5/10/1990 8:00 | 0.2 | 5/10/1990 | 0.020 | 70 |
| GL5033 | MS0509 | 297.0 | Separated | 1564 | 5 | 5/10/1990 7:00 | 3.7 | 5/10/1990 | 0.717 | 1563 |
| GL5050 | M14906 | 54.8 | Separated | 237 | 0 | 5/10/1990 8:00 | 0.4 | 5/10/1990 | 0.048 | 236 |
| GL5051 | MS0530 | 148.6 | Separated | 645 | 1 | 4/20/1993 7:00 | 1.0 | 4/20/1993 | 0.230 | 643 |
| GL5052 | MS0438 | 68.3 | Separated | 265 | 1 | 5/10/1990 8:00 | 0.8 | 5/10/1990 | 0.129 | 265 |
| ME5007 | MS0532 | 194.7 | Separated | 288 | 2 | 6/21/1997 8:00 | 0.8 | 5/10/1990 | 0.082 | 312 |
| MI5013 | MS0519 | 207.7 | Separated | 2693 | 4 | 5/10/1990 7:00 | 2.4 | 5/10/1990 | 0.442 | 2694 |
| MI5015 | MS0520 | 155.6 | Separated | 1578 | 3 | 5/10/1990 7:00 | 1.8 | 5/10/1990 | 0.277 | 1590 |
| MI5016 | MS0401-SS | 329.1 | Separated | 4331 | 5 | 5/10/1990 9:00 | 4.3 | 5/10/1990 | 0.851 | 4316 |
| MI5017 | MS0518 | 215.8 | Separated | 2160 | 5 | 5/10/1990 7:00 | 3.6 | 5/10/1990 | 0.499 | 2175 |
| MI5019 | MS0401-SS | 213.6 | Separated | 2370 | 3 | 5/10/1990 9:00 | 2.8 | 5/10/1990 | 0.521 | 2362 |
| MI5020 | MS0517 | 178.8 | Separated | 2156 | 2 | 5/10/1990 7:00 | 1.8 | 4/20/1993 | 0.515 | 2134 |
| MI5113 | M14906 | 371.3 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| MI5146 | MS0401-SS | 38.8 | Separated | 485 | 1 | 5/10/1990 9:00 | 0.5 | 5/10/1990 | 0.093 | 486 |
| MI5147 | MS0521 | 193.7 | Separated | 1651 | 3 | 5/10/1990 8:00 | 2.3 | 5/10/1990 | 0.461 | 1665 |
| MI6081 | MS0610 | 184.9 | Separated | 898 | 6 | 5/22/1991 11:00 | 2.1 | 5/10/1990 | 0.236 | 903 |
| MI6089 | MS0610 | 519.2 | Separated | 1950 | 17 | 5/22/1991 11:00 | 6.1 | 5/10/1990 | 0.831 | 1975 |
| MI6090 | MS0610 | 236.5 | Separated | 1098 | 8 | 5/22/1991 11:00 | 2.8 | 5/10/1990 | 0.366 | 1115 |

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TABLE 5A-4 SHEET 1 OF 11

**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

5/28/07 TR_5A.T004.07.05.28.cdr

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| MI6091 | MS0611 | 207.0 | Separated | 2293 | 7 | 5/22/1991 11:00 | 1.5 | 6/21/1997 | 0.345 | 2303 |
| MI6092 | MS0102 | 175.9 | Separated | 1950 | 9 | 5/22/1991 11:00 | 1.9 | 6/21/1997 | 0.359 | 1969 |
| MI6093 | MS0102 | 430.5 | Separated | 4042 | 22 | 5/22/1991 11:00 | 4.6 | 6/21/1997 | 0.793 | 4085 |
| MI6098 | MS0102 | 363.6 | Separated | 2130 | 19 | 5/22/1991 11:00 | 9.6 | 5/10/1990 | 0.733 | 2125 |
| MI6099 | MS0608 | 402.6 | Separated | 4547 | 41 | 5/22/1991 11:00 | 7.6 | 6/21/1997 | 0.864 | 4596 |
| MI6104 | MS0602 | 239.7 | Separated | 3158 | 10 | 5/22/1991 11:00 | 2.7 | 5/10/1990 | 0.452 | 3158 |
| MI6105 | MS0102 | 269.2 | Separated | 1772 | 10 | 6/21/1997 8:00 | 6.1 | 5/10/1990 | 1.181 | 1797 |
| MI6106 | MS0102 | 537.6 | Separated | 6433 | 19 | 6/21/1997 8:00 | 11.3 | 5/10/1990 | 1.508 | 6509 |
| MI6110 | MS0102 | 65.6 | Separated | 720 | 3 | 5/22/1991 11:00 | 0.7 | 6/21/1997 | 0.129 | 735 |
| MI6127 | MS0607 | 33.7 | Separated | 274 | 3 | 5/22/1991 11:00 | 0.9 | 6/21/1997 | 0.048 | 274 |
| MI6129 | MS0607 | 15.8 | Separated | 195 | 2 | 5/22/1991 11:00 | 0.4 | 6/21/1997 | 0.029 | 195 |
| MI6148 | MS0102 | 119.0 | Separated | 1446 | 4 | 6/21/1997 8:00 | 2.5 | 5/10/1990 | 0.294 | 1447 |
| MI6179 | MS0613 | 56.7 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| RH5001 | MS0532 | 1152.7 | Separated | 374 | 9 | 6/21/1997 8:00 | 4.5 | 5/10/1990 | 0.350 | 370 |
| RH5002 | MS0531 | 645.5 | Separated | 271 | 4 | 5/10/1990 9:00 | 3.1 | 5/10/1990 | 0.270 | 268 |
| RH5005 | MS0509 | 370.4 | Separated | 144 | 6 | 5/10/1990 8:00 | 4.3 | 5/10/1990 | 0.612 | 146 |
| RH5007 | M14906 | 335.7 | Separated | 125 | 3 | 5/10/1990 9:00 | 2.3 | 5/10/1990 | 0.198 | 124 |
| SF6004 | MS0102 | 120.5 | Separated | 1189 | 6 | 5/22/1991 11:00 | 1.4 | 6/21/1997 | 0.275 | 1438 |
| SF6005 | MS0102 | 224.5 | Separated | 1198 | 11 | 5/22/1991 11:00 | 2.4 | 6/21/1997 | 0.349 | 1251 |
| SF6007 | MS0611 | 56.8 | Separated | 354 | 2 | 5/22/1991 11:00 | 0.4 | 6/21/1997 | 0.090 | 357 |
| SF6008 | MS0610 | 50.3 | Separated | 596 | 2 | 5/22/1991 11:00 | 0.6 | 5/10/1990 | 0.127 | 593 |
| SF6009 | MS0102 | 74.8 | Separated | 556 | 4 | 5/22/1991 11:00 | 0.8 | 6/21/1997 | 0.143 | 591 |
| SF6010 | MS0101 | 99.8 | Separated | 769 | 2 | 5/10/1990 9:00 | 1.7 | 5/10/1990 | 0.244 | 768 |
| SF6011 | MS0101 | 110.6 | Separated | 0 | 0 | 5/10/1990 7:00 | 0.3 | 5/10/1990 | 0.153 | 1147 |
| SF6013 | MS0612 | 98.4 | Separated | 436 | 4 | 5/22/1991 11:00 | 1.2 | 6/21/1997 | 0.267 | 455 |
| SF6014 | MS0102 | 73.3 | Separated | 0 | 0 | 5/10/1990 7:00 | 0.0 | 5/10/1990 | 0.002 | 5 |
| WE6020 | MS0609 | 167.7 | Separated | 2126 | 26 | 5/22/1991 11:00 | 6.1 | 6/21/1997 | 0.563 | 2215 |
| WM6004 | MS0102 | 154.4 | Separated | 15 | 10 | 5/22/1991 11:00 | 6.3 | 5/10/1990 | 2.502 | 18 |
| **JIWWTP** | | | | | | | | | | |
| CS5073#1 | MS0505-CS | 88.2 | Combined | 750 | 125 | 5/22/1991 11:00 | 13.0 | 6/21/1997 | 0.361 | 756 |
| CS5073#2 | MS0505-CS | 304.3 | Combined | 4667 | 471 | 5/22/1991 11:00 | 48.2 | 6/21/1997 | 1.726 | 4718 |
| CS5074A1 | MS0505-CS | 62.3 | Combined | 1697 | 96 | 5/22/1991 11:00 | 10.0 | 6/21/1997 | 0.454 | 1711 |
| CS5074A2 | MS0505-CS | 80.6 | Combined | 2437 | 117 | 5/22/1991 11:00 | 12.4 | 6/21/1997 | 0.760 | 2437 |
| CS5134#1 | MS0504-CS | 396.1 | Combined | 3552 | 618 | 5/22/1991 11:00 | 63.0 | 6/21/1997 | 2.041 | 3581 |
| CS5134#2 | MS0504-CS | 100.8 | Combined | 2008 | 157 | 5/22/1991 11:00 | 16.0 | 6/21/1997 | 0.562 | 2011 |
| CS5135#1 | JIWWTP-CS_high | 85.9 | Combined | 1263 | 126 | 5/22/1991 11:00 | 13.0 | 6/21/1997 | 0.395 | 1278 |
| CS5135A1 | JIWWTP-CS_high | 58.2 | Combined | 1027 | 88 | 5/22/1991 11:00 | 9.1 | 6/21/1997 | 0.311 | 1034 |
| CS5135A2 | JIWWTP-CS_high | 9.5 | Combined | 0 | 15 | 5/22/1991 11:00 | 1.5 | 6/21/1997 | 0.049 | 0 |
| CS5135A3 | JIWWTP-CS_high | 104.8 | Combined | 1987 | 160 | 5/22/1991 11:00 | 16.4 | 6/21/1997 | 0.584 | 2034 |
| CS5136#1 | JIWWTP-CS_high | 380.7 | Combined | 6114 | 574 | 5/22/1991 11:00 | 58.9 | 6/21/1997 | 1.856 | 6119 |
| CS5137#1 | JIWWTP-CS_high | 28.4 | Combined | 334 | 39 | 5/22/1991 11:00 | 4.1 | 6/21/1997 | 0.120 | 334 |
| CS5139#1 | JIWWTP-CS_high | 33.6 | Combined | 680 | 53 | 5/22/1991 11:00 | 5.4 | 6/21/1997 | 0.203 | 680 |
| CS5140#1 | JIWWTP-CS_high | 112.5 | Combined | 1735 | 172 | 5/22/1991 11:00 | 18.1 | 6/21/1997 | 1.083 | 1737 |
| CS5141#1 | JIWWTP-CS_high | 72.5 | Combined | 1229 | 110 | 5/22/1991 11:00 | 11.3 | 6/21/1997 | 0.425 | 1246 |
| CS5141#2 | JIWWTP-CS_high | 7.1 | Combined | 498 | 11 | 5/22/1991 11:00 | 1.2 | 6/21/1997 | 0.077 | 498 |
| CS5142A1 | JIWWTP-CS_high | 127.6 | Combined | 6542 | 199 | 5/22/1991 11:00 | 20.7 | 6/21/1997 | 1.172 | 6558 |
| CS5144#1 | JIWWTP-CS_high | 19.2 | Combined | 730 | 30 | 5/22/1991 11:00 | 3.1 | 6/21/1997 | 0.142 | 730 |
| CS5145#1 | JIWWTP-CS_high | 17.6 | Combined | 1277 | 28 | 5/22/1991 11:00 | 2.9 | 6/21/1997 | 0.200 | 1277 |
| CS5146#1 | JIWWTP-CS_high | 32.8 | Combined | 1676 | 51 | 5/22/1991 11:00 | 5.3 | 6/21/1997 | 0.303 | 1687 |
| CS5147#1 | JIWWTP-CS_high | 10.6 | Combined | 156 | 16 | 5/22/1991 11:00 | 1.6 | 6/21/1997 | 0.055 | 158 |
| CS5147#2 | JIWWTP-CS_high | 13.0 | Combined | 450 | 21 | 5/22/1991 11:00 | 2.1 | 6/21/1997 | 0.097 | 450 |
| CS5148#1 | JIWWTP-CS_high | 12.1 | Combined | 386 | 19 | 5/22/1991 11:00 | 2.0 | 6/21/1997 | 0.090 | 391 |
| CS5193#1 | MS0501-CS | 1555.9 | Combined | 30218 | 2342 | 5/22/1991 11:00 | 242.3 | 6/21/1997 | 9.771 | 30593 |
| CS5193#2 | MS0501-CS | 19.2 | Combined | 273 | 30 | 5/22/1991 11:00 | 3.1 | 6/21/1997 | 0.102 | 273 |
| CS5193#3 | MS0501-CS | 42.5 | Combined | 719 | 66 | 5/22/1991 11:00 | 6.8 | 6/21/1997 | 0.231 | 720 |
| CS5193#4 | MS0501-CS | 128.8 | Combined | 3154 | 200 | 5/22/1991 11:00 | 20.6 | 6/21/1997 | 0.827 | 3161 |
| CS5193#5 | MS0501-CS | 108.7 | Combined | 1309 | 138 | 5/22/1991 11:00 | 14.7 | 6/21/1997 | 0.408 | 1315 |
| CS5195#1 | MS0501-CS | 1340.9 | Combined | 24263 | 1990 | 5/22/1991 11:00 | 205.6 | 6/21/1997 | 7.355 | 24908 |
| CS5196A1 | MS0501-CS | 374.6 | Combined | 10132 | 573 | 5/22/1991 11:00 | 59.1 | 6/21/1997 | 2.447 | 10215 |
| CS5197A1 | JIWWTP-CS_high | 44.2 | Combined | 1086 | 65 | 5/22/1991 11:00 | 7.3 | 6/21/1997 | 0.873 | 1110 |
| CS5198#1 | JIWWTP-CS_high | 273.1 | Combined | 4114 | 411 | 5/22/1991 11:00 | 42.2 | 6/21/1997 | 1.384 | 4237 |
| CS5199#1 | JIWWTP-CS_high | 39.6 | Combined | 593 | 60 | 5/22/1991 11:00 | 6.2 | 6/21/1997 | 0.200 | 600 |
| CS5200#1 | JIWWTP-CS_high | 103.2 | Combined | 855 | 149 | 5/22/1991 11:00 | 15.3 | 6/21/1997 | 0.400 | 866 |
| CS5200A1 | JIWWTP-CS_high | 216.6 | Combined | 3893 | 323 | 5/22/1991 11:00 | 33.2 | 6/21/1997 | 1.117 | 3996 |
| CS5200A2 | JIWWTP-CS_high | 150.9 | Combined | 1877 | 233 | 5/22/1991 11:00 | 23.7 | 6/21/1997 | 0.711 | 1940 |
| CS5201#1 | JIWWTP-CS_high | 35.2 | Combined | 459 | 53 | 5/22/1991 11:00 | 5.4 | 6/21/1997 | 0.177 | 459 |
| CS5201A1 | JIWWTP-CS_high | 182.5 | Combined | 1217 | 270 | 5/22/1991 11:00 | 27.7 | 6/21/1997 | 0.726 | 1315 |
| CS5205#1 | JIWWTP-CS_high | 4.2 | Combined | 0 | 6 | 5/22/1991 11:00 | 0.6 | 6/21/1997 | 0.014 | 0 |

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**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

5/28/07 TR_5A.T004.07.05.28.cdr

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| CS5206#1 | JIWWTP-CS_high | 5.4 | Combined | 0 | 9 | 5/22/1991 11:00 | 0.9 | 6/21/1997 | 0.024 | 0 |
| CS5228#1 | JIWWTP-CS_high | 193.6 | Combined | 5759 | 302 | 5/22/1991 11:00 | 30.9 | 6/21/1997 | 1.261 | 5758 |
| CS5372A1 | MS0501-CS | 76.3 | Combined | 1232 | 117 | 5/22/1991 11:00 | 12.0 | 6/21/1997 | 0.434 | 1233 |
| CS5372A2 | MS0501-CS | 79.7 | Combined | 116 | 97 | 5/22/1991 11:00 | 10.4 | 6/21/1997 | 0.196 | 116 |
| CS5372A3 | MS0501-CS | 10.0 | Combined | 51 | 14 | 5/22/1991 11:00 | 1.5 | 6/21/1997 | 0.041 | 51 |
| CS5500#1 | MS0504-CS | 36.0 | Combined | 372 | 55 | 5/22/1991 11:00 | 5.7 | 6/21/1997 | 0.190 | 372 |
| CS6328#1 | JIWWTP-CS_high | 9.9 | Combined | 178 | 15 | 5/22/1991 11:00 | 1.5 | 6/21/1997 | 0.049 | 179 |
| CS6330#1 | JIWWTP-CS_high | 31.1 | Combined | 126 | 38 | 5/22/1991 11:00 | 4.0 | 6/21/1997 | 0.072 | 126 |
| CS6357#1 | JIWWTP-CS_high | 136.6 | Combined | 4521 | 213 | 5/22/1991 11:00 | 21.9 | 6/21/1997 | 0.956 | 4524 |
| CS6358#1 | JIWWTP-CS_high | 18.0 | Combined | 727 | 28 | 5/22/1991 11:00 | 2.9 | 6/21/1997 | 0.142 | 729 |
| CS6358#2 | JIWWTP-CS_high | 76.1 | Combined | 2103 | 115 | 5/22/1991 11:00 | 11.9 | 6/21/1997 | 0.468 | 2105 |
| CS6359#1 | JIWWTP-CS_high | 63.1 | Combined | 1615 | 94 | 5/22/1991 11:00 | 9.7 | 6/21/1997 | 0.382 | 1615 |
| CS6359#2 | JIWWTP-CS_high | 58.2 | Combined | 26 | 68 | 5/22/1991 11:00 | 7.3 | 6/21/1997 | 0.120 | 26 |
| CS6360#1 | JIWWTP-CS_high | 88.7 | Combined | 2848 | 137 | 5/22/1991 11:00 | 14.1 | 6/21/1997 | 0.620 | 2854 |
| CS6361#1 | JIWWTP-CS_high | 46.5 | Combined | 1371 | 74 | 5/22/1991 11:00 | 7.6 | 6/21/1997 | 0.347 | 1372 |
| CS6362#1 | JIWWTP-CS_high | 18.4 | Combined | 682 | 28 | 5/22/1991 11:00 | 2.9 | 6/21/1997 | 0.136 | 683 |
| CS6363#1 | JIWWTP-CS_high | 291.8 | Combined | 10775 | 454 | 5/22/1991 11:00 | 46.9 | 6/21/1997 | 2.183 | 10801 |
| CS6363#2 | JIWWTP-CS_high | 30.7 | Combined | 1052 | 48 | 5/22/1991 11:00 | 4.9 | 6/21/1997 | 0.224 | 1058 |
| CS6364#1 | JIWWTP-CS_high | 84.1 | Combined | 2200 | 117 | 5/22/1991 11:00 | 12.3 | 6/21/1997 | 0.468 | 2203 |
| CS6366#1 | JIWWTP-CS_high | 43.0 | Combined | 1445 | 67 | 5/22/1991 11:00 | 6.9 | 6/21/1997 | 0.305 | 1450 |
| CS6366#2 | JIWWTP-CS_high | 42.5 | Combined | 759 | 69 | 5/22/1991 11:00 | 7.0 | 6/21/1997 | 0.292 | 762 |
| CS6366#3 | JIWWTP-CS_high | 17.9 | Combined | 616 | 29 | 5/22/1991 11:00 | 2.9 | 6/21/1997 | 0.141 | 618 |
| CS6366#4 | JIWWTP-CS_high | 21.7 | Combined | 787 | 34 | 5/22/1991 11:00 | 3.5 | 6/21/1997 | 0.160 | 790 |
| CS6368A1 | JIWWTP-CS_high | 245.5 | Combined | 4540 | 388 | 5/22/1991 11:00 | 39.6 | 6/21/1997 | 1.466 | 4560 |
| CS6369#1 | JIWWTP-CS_high | 25.2 | Combined | 61 | 35 | 5/22/1991 11:00 | 3.7 | 6/21/1997 | 0.097 | 61 |
| CS7207#1 | JIWWTP-CS_low | 118.0 | Combined | 801 | 145 | 5/22/1991 11:00 | 15.5 | 6/21/1997 | 0.334 | 827 |
| CS7207#2 | JIWWTP-CS_low | 242.3 | Combined | 5531 | 359 | 5/22/1991 11:00 | 37.1 | 6/21/1997 | 1.335 | 5604 |
| CS7208#1 | JIWWTP-CS_low | 508.2 | Combined | 12314 | 773 | 5/22/1991 11:00 | 79.6 | 6/21/1997 | 3.033 | 12379 |
| CS7209#1 | JIWWTP-CS_low | 48.6 | Combined | 696 | 72 | 5/22/1991 11:00 | 7.4 | 6/21/1997 | 0.236 | 711 |
| CS7209#2 | JIWWTP-CS_low | 10.6 | Combined | 339 | 16 | 5/22/1991 11:00 | 1.7 | 6/21/1997 | 0.069 | 341 |
| CS7210#1 | JIWWTP-CS_low | 15.7 | Combined | 54 | 23 | 5/22/1991 11:00 | 2.4 | 6/21/1997 | 0.068 | 60 |
| CS7211#1 | JIWWTP-CS_low | 111.4 | Combined | 535 | 176 | 5/22/1991 11:00 | 17.8 | 6/21/1997 | 0.583 | 541 |
| CS7212#1 | JIWWTP-CS_low | 5.7 | Combined | 0 | 8 | 5/22/1991 11:00 | 0.9 | 6/21/1997 | 0.023 | 7 |
| CS7213#1 | JIWWTP-CS_low | 122.6 | Combined | 1211 | 194 | 5/22/1991 11:00 | 19.6 | 6/21/1997 | 0.625 | 1217 |
| CS7214A1 | JIWWTP-CS_low | 5.0 | Combined | 0 | 8 | 5/22/1991 11:00 | 0.8 | 6/21/1997 | 0.020 | 0 |
| CS7215#1 | JIWWTP-CS_low | 25.7 | Combined | 4 | 42 | 5/22/1991 11:00 | 4.3 | 6/21/1997 | 0.116 | 36 |
| CS7215#2 | JIWWTP-CS_low | 39.9 | Combined | 0 | 68 | 5/22/1991 11:00 | 6.7 | 6/21/1997 | 0.157 | 0 |
| CS7216#1 | JIWWTP-CS_low | 105.4 | Combined | 661 | 153 | 5/22/1991 11:00 | 15.8 | 6/21/1997 | 0.441 | 717 |
| CS7217#1 | JIWWTP-CS_low | 70.3 | Combined | 1819 | 107 | 5/22/1991 11:00 | 11.0 | 6/21/1997 | 0.434 | 1823 |
| CS7218#1 | JIWWTP-CS_low | 108.4 | Combined | 1682 | 165 | 5/22/1991 11:00 | 17.1 | 6/21/1997 | 0.766 | 1707 |
| CS7219A1 | JIWWTP-CS_low | 2.4 | Combined | 21 | 4 | 5/22/1991 11:00 | 0.4 | 6/21/1997 | 0.014 | 21 |
| CS7220#1 | JIWWTP-CS_low | 17.5 | Combined | 35 | 28 | 5/22/1991 11:00 | 2.8 | 6/21/1997 | 0.085 | 35 |
| CS7221#1 | JIWWTP-CS_low | 8.2 | Combined | 71 | 13 | 5/22/1991 11:00 | 1.3 | 6/21/1997 | 0.049 | 73 |
| CS7222#1 | JIWWTP-CS_low | 6.7 | Combined | 0 | 11 | 5/22/1991 11:00 | 1.1 | 6/21/1997 | 0.039 | 0 |
| CS7223#1 | JIWWTP-CS_low | 32.0 | Combined | 0 | 52 | 5/22/1991 11:00 | 5.3 | 6/21/1997 | 0.178 | 15 |
| CS7224#1 | JIWWTP-CS_low | 11.4 | Combined | 0 | 19 | 5/22/1991 11:00 | 1.9 | 6/21/1997 | 0.063 | 0 |
| CS7225#1 | JIWWTP-CS_low | 24.6 | Combined | 1 | 41 | 5/22/1991 11:00 | 4.1 | 6/21/1997 | 0.122 | 1 |
| CS7227#1 | JIWWTP-CS_low | 41.1 | Combined | 64 | 64 | 5/22/1991 11:00 | 6.5 | 6/21/1997 | 0.162 | 65 |
| CS7227#2 | JIWWTP-CS_low | 14.2 | Combined | 0 | 24 | 5/22/1991 11:00 | 2.4 | 6/21/1997 | 0.058 | 0 |
| CS7228A1 | JIWWTP-CS_low | 26.5 | Combined | 869 | 41 | 5/22/1991 11:00 | 4.2 | 6/21/1997 | 0.182 | 871 |
| CS7230#1 | JIWWTP-CS_low | 37.4 | Combined | 1042 | 56 | 5/22/1991 11:00 | 5.8 | 6/21/1997 | 0.231 | 1044 |
| CS7231#1 | JIWWTP-CS_low | 12.3 | Combined | 48 | 19 | 5/22/1991 11:00 | 2.0 | 6/21/1997 | 0.066 | 48 |
| CS7232#1 | JIWWTP-CS_low | 48.3 | Combined | 767 | 75 | 5/22/1991 11:00 | 7.7 | 6/21/1997 | 0.273 | 770 |
| CS7233#1 | JIWWTP-CS_low | 36.0 | Combined | 595 | 56 | 5/22/1991 11:00 | 5.8 | 6/21/1997 | 0.206 | 598 |
| CS7234#1 | JIWWTP-CS_low | 6.4 | Combined | 0 | 10 | 5/22/1991 11:00 | 1.0 | 6/21/1997 | 0.030 | 0 |
| CS7234A1 | JIWWTP-CS_low | 69.7 | Combined | 2260 | 107 | 5/22/1991 11:00 | 11.1 | 6/21/1997 | 0.502 | 2264 |
| CS7235#1 | JIWWTP-CS_low | 24.8 | Combined | 101 | 41 | 5/22/1991 11:00 | 4.1 | 6/21/1997 | 0.108 | 101 |
| CS7236#1 | JIWWTP-CS_low | 15.1 | Combined | 153 | 25 | 5/22/1991 11:00 | 2.5 | 6/21/1997 | 0.082 | 155 |
| CS7237#1 | JIWWTP-CS_low | 6.7 | Combined | 292 | 11 | 5/22/1991 11:00 | 1.1 | 6/21/1997 | 0.064 | 294 |
| CS7238A1 | JIWWTP-CS_low | 23.3 | Combined | 0 | 36 | 5/22/1991 11:00 | 3.7 | 6/21/1997 | 0.089 | 2 |
| CS7239#1 | JIWWTP-CS_low | 2.9 | Combined | 1 | 5 | 5/22/1991 11:00 | 0.5 | 6/21/1997 | 0.013 | 1 |
| CS7239A1 | JIWWTP-CS_low | 3.8 | Combined | 0 | 6 | 5/22/1991 11:00 | 0.6 | 6/21/1997 | 0.013 | 0 |
| CS7239B1 | JIWWTP-CS_low | 4.0 | Combined | 0 | 6 | 5/22/1991 11:00 | 0.6 | 6/21/1997 | 0.018 | 0 |
| CS7240#1 | JIWWTP-CS_low | 14.2 | Combined | 195 | 23 | 5/22/1991 11:00 | 2.5 | 6/21/1997 | 0.286 | 195 |
| CS7241#1 | JIWWTP-CS_low | 6.0 | Combined | 0 | 10 | 5/22/1991 11:00 | 1.0 | 6/21/1997 | 0.033 | 0 |
| CS7242#1 | JIWWTP-CS_low | 23.7 | Combined | 19 | 39 | 5/22/1991 11:00 | 3.9 | 6/21/1997 | 0.134 | 20 |
| CS7243#1 | JIWWTP-CS_low | 80.2 | Combined | 48 | 129 | 5/22/1991 11:00 | 13.2 | 6/21/1997 | 0.576 | 53 |
| CS7244#1 | JIWWTP-CS_low | 18.0 | Combined | 64 | 30 | 5/22/1991 11:00 | 3.0 | 6/21/1997 | 0.089 | 64 |
| CS7245#1 | JIWWTP-CS_low | 13.0 | Combined | 217 | 22 | 5/22/1991 11:00 | 2.2 | 6/21/1997 | 0.096 | 217 |

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**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

5/28/07 TR_5A.T004.07.05.28.cdr

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| CS7246#1 | JIWWTP-CS_low | 36.7 | Combined | 204 | 60 | 5/22/1991 11:00 | 6.1 | 6/21/1997 | 0.205 | 230 |
| CS7247#1 | JIWWTP-CS_low | 14.8 | Combined | 5 | 23 | 5/22/1991 11:00 | 2.3 | 6/21/1997 | 0.065 | 6 |
| CS7248A1 | JIWWTP-CS_low | 42.0 | Combined | 0 | 67 | 5/22/1991 11:00 | 6.7 | 6/21/1997 | 0.185 | 45 |
| CS7325#1 | JIWWTP-CS_low | 617.9 | Combined | 17149 | 932 | 5/22/1991 11:00 | 96.3 | 6/21/1997 | 3.891 | 17179 |
| CS7327#1 | JIWWTP-CS_low | 115.8 | Combined | 1542 | 167 | 5/22/1991 11:00 | 17.3 | 6/21/1997 | 0.540 | 1549 |
| CS7331#1 | JIWWTP-CS_low | 35.2 | Combined | 572 | 56 | 5/22/1991 11:00 | 5.7 | 6/21/1997 | 0.207 | 574 |
| CS7335#1 | JIWWTP-CS_low | 13.4 | Combined | 262 | 21 | 5/22/1991 11:00 | 2.1 | 6/21/1997 | 0.072 | 265 |
| CS7336#1 | JIWWTP-CS_low | 12.5 | Combined | 246 | 19 | 5/22/1991 11:00 | 2.0 | 6/21/1997 | 0.068 | 251 |
| CS7337#1 | JIWWTP-CS_low | 370.0 | Combined | 5899 | 569 | 5/22/1991 11:00 | 58.1 | 6/21/1997 | 2.407 | 5985 |
| CS7338#1 | JIWWTP-CS_low | 424.1 | Combined | 5950 | 635 | 5/22/1991 11:00 | 65.3 | 6/21/1997 | 2.042 | 6082 |
| CS7339#1 | JIWWTP-CS_low | 63.7 | Combined | 1026 | 98 | 5/22/1991 11:00 | 10.1 | 6/21/1997 | 0.372 | 1034 |
| CS7340#1 | JIWWTP-CS_low | 64.1 | Combined | 25 | 98 | 5/22/1991 11:00 | 10.0 | 6/21/1997 | 0.286 | 36 |
| CS7341#1 | JIWWTP-CS_low | 14.9 | Combined | 146 | 23 | 5/22/1991 11:00 | 2.4 | 6/21/1997 | 0.080 | 146 |
| CS7342#1 | JIWWTP-CS_low | 12.7 | Combined | 0 | 18 | 5/22/1991 11:00 | 1.9 | 6/21/1997 | 0.040 | 0 |
| CS7343#1 | JIWWTP-CS_low | 7.7 | Combined | 24 | 10 | 5/22/1991 11:00 | 1.0 | 6/21/1997 | 0.022 | 24 |
| CS7344A1 | JIWWTP-CS_low | 150.8 | Combined | 291 | 224 | 5/22/1991 11:00 | 22.9 | 6/21/1997 | 0.510 | 292 |
| CS7344A2 | JIWWTP-CS_low | 37.2 | Combined | 790 | 59 | 5/22/1991 11:00 | 6.0 | 6/21/1997 | 0.224 | 793 |
| CS7344A3 | JIWWTP-CS_low | 2.5 | Combined | 12 | 4 | 5/22/1991 11:00 | 0.4 | 6/21/1997 | 0.009 | 13 |
| CS7344A4 | JIWWTP-CS_low | 7.2 | Combined | 0 | 10 | 5/22/1991 11:00 | 1.0 | 6/21/1997 | 0.019 | 0 |
| CS7344A5 | JIWWTP-CS_low | 85.1 | Combined | 3096 | 131 | 5/22/1991 11:00 | 13.5 | 6/21/1997 | 0.611 | 3103 |
| CS7344A6 | JIWWTP-CS_low | 297.4 | Combined | 7020 | 450 | 5/22/1991 11:00 | 46.4 | 6/21/1997 | 1.728 | 7025 |
| CS7344A7 | JIWWTP-CS_low | 382.8 | Combined | 11653 | 593 | 5/22/1991 11:00 | 61.0 | 6/21/1997 | 2.590 | 11672 |
| CS7345#1 | JIWWTP-CS_low | 21.7 | Combined | 185 | 34 | 5/22/1991 11:00 | 3.5 | 6/21/1997 | 0.129 | 169 |
| CS7345#2 | JIWWTP-CS_low | 50.4 | Combined | 2109 | 78 | 5/22/1991 11:00 | 8.1 | 6/21/1997 | 0.403 | 2118 |
| CS7345#3 | JIWWTP-CS_low | 14.7 | Combined | 542 | 23 | 5/22/1991 11:00 | 2.4 | 6/21/1997 | 0.115 | 544 |
| CS7345A1 | JIWWTP-CS_low | 59.7 | Combined | 1358 | 93 | 5/22/1991 11:00 | 9.5 | 6/21/1997 | 0.371 | 1364 |
| CS7346#1 | JIWWTP-CS_low | 36.0 | Combined | 129 | 56 | 5/22/1991 11:00 | 5.7 | 6/21/1997 | 0.178 | 129 |
| CS7370#1 | JIWWTP-CS_low | 17.4 | Combined | 0 | 24 | 5/22/1991 11:00 | 2.5 | 6/21/1997 | 0.062 | 0 |
| CS7380#1 | JIWWTP-CS_low | 58.1 | Combined | 0 | 89 | 5/22/1991 11:00 | 9.1 | 6/21/1997 | 0.227 | 0 |
| CS7380#2 | JIWWTP-CS_low | 153.6 | Combined | 2720 | 231 | 5/22/1991 11:00 | 23.7 | 6/21/1997 | 0.808 | 2739 |
| CS7381#1 | JIWWTP-CS_low | 45.2 | Combined | 656 | 67 | 5/22/1991 11:00 | 6.9 | 6/21/1997 | 0.227 | 673 |
| CS7386#1 | JIWWTP-CS_low | 67.2 | Combined | 475 | 109 | 5/22/1991 11:00 | 11.0 | 6/21/1997 | 0.334 | 475 |
| CS7387#1 | JIWWTP-CS_low | 38.0 | Combined | 0 | 55 | 5/22/1991 11:00 | 5.7 | 6/21/1997 | 0.155 | 0 |
| CS7388#1 | JIWWTP-CS_low | 27.4 | Combined | 0 | 43 | 5/22/1991 11:00 | 4.4 | 6/21/1997 | 0.109 | 0 |
| CS7390#1 | JIWWTP-CS_low | 16.2 | Combined | 0 | 25 | 5/22/1991 11:00 | 2.5 | 6/21/1997 | 0.073 | 0 |
| CS7394#1 | JIWWTP-CS_low | 20.4 | Combined | 95 | 32 | 5/22/1991 11:00 | 3.2 | 6/21/1997 | 0.100 | 100 |
| CS7396#1 | JIWWTP-CS_low | 69.8 | Combined | 572 | 110 | 5/22/1991 11:00 | 11.2 | 6/21/1997 | 0.397 | 573 |
| CS7398#1 | JIWWTP-CS_low | 38.9 | Combined | 124 | 61 | 5/22/1991 11:00 | 6.2 | 6/21/1997 | 0.203 | 124 |
| CS7399#1 | JIWWTP-CS_low | 16.0 | Combined | 152 | 25 | 5/22/1991 11:00 | 2.6 | 6/21/1997 | 0.093 | 152 |
| CS7400#1 | JIWWTP-CS_low | 5.2 | Combined | 22 | 8 | 5/22/1991 11:00 | 0.8 | 6/21/1997 | 0.025 | 22 |
| CS7400#2 | JIWWTP-CS_low | 21.5 | Combined | 348 | 34 | 5/22/1991 11:00 | 3.5 | 6/21/1997 | 0.130 | 352 |
| CS7400A1 | JIWWTP-CS_low | 3.3 | Combined | 114 | 5 | 5/22/1991 11:00 | 0.5 | 6/21/1997 | 0.025 | 114 |
| CS7401#1 | JIWWTP-CS_low | 11.1 | Combined | 0 | 17 | 5/22/1991 11:00 | 1.8 | 6/21/1997 | 0.047 | 15 |
| CS7402#1 | JIWWTP-CS_low | 26.8 | Combined | 26 | 37 | 5/22/1991 11:00 | 3.9 | 6/21/1997 | 0.087 | 40 |
| CS7403#1 | JIWWTP-CS_low | 31.9 | Combined | 11 | 49 | 5/22/1991 11:00 | 5.0 | 6/21/1997 | 0.143 | 11 |
| CS7403A1 | JIWWTP-CS_low | 3.3 | Combined | 0 | 5 | 5/22/1991 11:00 | 0.5 | 6/21/1997 | 0.017 | 0 |
| CS7404#1 | JIWWTP-CS_low | 48.1 | Combined | 66 | 71 | 5/22/1991 11:00 | 7.3 | 6/21/1997 | 0.199 | 80 |
| CS7405#1 | JIWWTP-CS_low | 7.9 | Combined | 4 | 12 | 5/22/1991 11:00 | 1.3 | 6/21/1997 | 0.035 | 4 |
| CS7406#1 | JIWWTP-CS_low | 8.8 | Combined | 0 | 14 | 5/22/1991 11:00 | 1.4 | 6/21/1997 | 0.044 | 3 |
| CS7407#1 | JIWWTP-CS_low | 26.2 | Combined | 2 | 36 | 5/22/1991 11:00 | 3.8 | 6/21/1997 | 0.099 | 2 |
| GL5001 | MS0508 | 147.5 | Separated | 132 | 3 | 5/10/1990 8:00 | 2.0 | 5/10/1990 | 0.120 | 197 |
| GL5002 | MS0505-SS | 159.0 | Separated | 805 | 1 | 5/10/1990 9:00 | 0.8 | 4/20/1993 | 0.260 | 808 |
| GL5004 | MS0505-SS | 267.5 | Separated | 1554 | 2 | 5/10/1990 9:00 | 1.5 | 4/20/1993 | 0.516 | 1551 |
| GL5007 | MS0505-SS | 319.0 | Separated | 233 | 2 | 5/10/1990 9:00 | 1.9 | 4/20/1993 | 0.672 | 240 |
| GL5008 | MS0526 | 139.6 | Separated | 1008 | 7 | 5/22/1991 11:00 | 1.4 | 6/21/1997 | 0.202 | 1007 |
| GL5009 | MS0503 | 65.2 | Separated | 459 | 2 | 5/10/1990 9:00 | 1.3 | 5/10/1990 | 0.172 | 460 |
| GL5011 | MS0505-SS | 107.3 | Separated | 148 | 1 | 5/10/1990 8:00 | 0.6 | 4/20/1993 | 0.208 | 198 |
| GL5012 | MS0505-SS | 155.2 | Separated | 600 | 1 | 5/10/1990 11:00 | 1.0 | 4/20/1993 | 0.400 | 644 |
| GL5013 | MS0505-SS | 42.3 | Separated | 677 | 0 | 5/10/1990 11:00 | 0.3 | 4/20/1993 | 0.133 | 675 |
| GL5014 | MS0504-SS | 175.3 | Separated | 402 | 2 | 5/10/1990 8:00 | 2.0 | 5/10/1990 | 0.341 | 401 |
| GL5016 | MS0504-SS | 228.5 | Separated | 3 | 3 | 5/10/1990 9:00 | 2.7 | 5/10/1990 | 0.591 | 3 |
| GL5018 | MS0508 | 215.0 | Separated | 869 | 4 | 5/10/1990 8:00 | 2.8 | 5/10/1990 | 0.149 | 868 |
| GL5023 | MS0505-SS | 345.0 | Separated | 963 | 4 | 5/10/1990 9:00 | 3.7 | 5/10/1990 | 0.510 | 967 |
| GL5054 | MS0505-SS | 212.1 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| MI5023 | MS0516 | 489.7 | Separated | 5542 | 6 | 5/10/1990 8:00 | 3.9 | 5/10/1990 | 0.722 | 5507 |
| MI5024 | MS0515 | 223.2 | Separated | 3915 | 9 | 5/10/1990 8:00 | 7.2 | 5/10/1990 | 0.647 | 3898 |
| MI5025 | MS0504-SS | 280.1 | Separated | 4196 | 5 | 5/10/1990 9:00 | 3.8 | 5/10/1990 | 0.822 | 4166 |
| MI5045 | MS0514 | 112.5 | Separated | 1985 | 9 | 6/21/1997 8:00 | 4.7 | 5/10/1990 | 0.523 | 2000 |
| MI5048 | MS0514 | 531.5 | Separated | 10433 | 43 | 6/21/1997 8:00 | 22.8 | 5/10/1990 | 2.910 | 10334 |

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**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

5/28/07 TR_5A.T004.07.05.28.cdr

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| MI5049 | MS0513 | 142.2 | Separated | 1901 | 15 | 5/10/1990 8:00 | 9.6 | 5/10/1990 | 0.848 | 1896 |
| MI5050 | MS0504-SS | 88.6 | Separated | 947 | 1 | 5/10/1990 9:00 | 1.2 | 5/10/1990 | 0.284 | 940 |
| MI5051 | MS0511 | 369.0 | Separated | 5571 | 11 | 5/10/1990 8:00 | 9.1 | 5/10/1990 | 0.944 | 5558 |
| MI5052 | MS0512 | 94.3 | Separated | 1393 | 3 | 5/10/1990 7:00 | 1.9 | 5/10/1990 | 0.469 | 1386 |
| MI5053 | MS0510 | 189.1 | Separated | 1385 | 7 | 5/10/1990 7:00 | 4.8 | 5/10/1990 | 0.704 | 1377 |
| MI5054 | MS0504-SS | 330.1 | Separated | 4416 | 34 | 5/22/1991 11:00 | 7.0 | 6/21/1997 | 0.950 | 4383 |
| MI5056 | MS0504-SS | 208.4 | Separated | 1475 | 3 | 5/10/1990 9:00 | 2.4 | 5/10/1990 | 0.484 | 1471 |
| MI5057 | MS0504-SS | 171.4 | Separated | 348 | 3 | 5/10/1990 9:00 | 2.2 | 5/10/1990 | 0.375 | 348 |
| MI5058 | MS0528 | 240.9 | Separated | 3313 | 12 | 5/10/1990 7:00 | 7.6 | 5/10/1990 | 0.659 | 3293 |
| MI5059 | MS0503 | 544.9 | Separated | 4716 | 6 | 5/10/1990 9:00 | 5.4 | 5/10/1990 | 1.735 | 4715 |
| MI5060 | MS0505-SS | 124.6 | Separated | 567 | 1 | 5/10/1990 9:00 | 0.7 | 4/20/1993 | 0.193 | 577 |
| MI5069 | JIWWTP-SS_low | 339.0 | Separated | 1663 | 3 | 5/10/1990 8:00 | 3.0 | 4/20/1993 | 1.102 | 1687 |
| MI5115 | MS0504-SS | 72.9 | Separated | 424 | 1 | 5/10/1990 9:00 | 0.9 | 5/10/1990 | 0.185 | 427 |
| MI5143 | MS0505-SS | 68.9 | Separated | 276 | 0 | 5/10/1990 9:00 | 0.4 | 4/20/1993 | 0.104 | 276 |
| MI5144 | MS0526 | 75.7 | Separated | 969 | 4 | 5/22/1991 11:00 | 0.8 | 6/21/1997 | 0.146 | 954 |
| MI5145 | MS0527 | 104.8 | Separated | 1399 | 4 | 6/21/1997 8:00 | 2.5 | 5/10/1990 | 0.365 | 1386 |
| MI5157 | MS0504-SS | 185.7 | Separated | 2778 | 6 | 5/10/1990 9:00 | 4.7 | 5/10/1990 | 0.571 | 2779 |
| MI5162 | MS0504-SS | 156.2 | Separated | 870 | 2 | 5/10/1990 9:00 | 2.0 | 5/10/1990 | 0.344 | 869 |
| MI5167 | JIWWTP-LF_high | 7.6 | Separated | 0 | 0 | 5/10/1990 8:00 | 0.0 | 5/10/1990 | 0.001 | 3 |
| MI5169 | JIWWTP-SS_high | 102.3 | Separated | 430 | 3 | 5/10/1990 8:00 | 1.9 | 5/10/1990 | 0.204 | 430 |
| MI5170 | MS0503 | 243.5 | Separated | 2236 | 3 | 5/10/1990 9:00 | 2.3 | 5/10/1990 | 0.651 | 2247 |
| MI5173 | JIWWTP-LF_high | 192.9 | Separated | 0 | 1 | 5/10/1990 9:00 | 0.8 | 5/10/1990 | 0.662 | 0 |
| MI5174 | JIWWTP-LF_high | 111.7 | Separated | 3 | 0 | 5/10/1990 9:00 | 0.2 | 5/10/1990 | 0.043 | 3 |
| MI5300 | MS0501-SS | 477.0 | Separated | 8248 | 11 | 5/22/1991 11:00 | 5.3 | 5/10/1990 | 1.470 | 8246 |
| MI5307 | MS0504-SS | 131.7 | Separated | 1361 | 2 | 5/10/1990 9:00 | 1.8 | 5/10/1990 | 0.409 | 1361 |
| MI6072 | MS0603 | 212.4 | Separated | 1619 | 5 | 5/22/1991 11:00 | 2.6 | 5/10/1990 | 0.868 | 1622 |
| MI6108 | JIWWTP-SS_high | 66.5 | Separated | 279 | 3 | 5/10/1990 8:00 | 2.0 | 5/10/1990 | 0.101 | 280 |
| MI6112 | MS0603 | 197.4 | Separated | 2178 | 4 | 5/22/1991 11:00 | 2.1 | 5/10/1990 | 0.448 | 2159 |
| MI6165 | JIWWTP-SS_high | 177.7 | Separated | 0 | 0 | 1/2/1988 7:00 | 0.0 | 1/2/1988 | 0.000 | 0 |
| MI6166 | JIWWTP-SS_high | 23.0 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| MI7070 | JIWWTP-SS_low | 666.0 | Separated | 1193 | 15 | 5/22/1991 11:00 | 7.4 | 5/10/1990 | 1.916 | 1199 |
| MI7109 | MS0703 | 365.7 | Separated | 3303 | 19 | 5/22/1991 11:00 | 4.7 | 6/21/1997 | 0.499 | 3357 |
| MI7111 | MS0704 | 49.6 | Separated | 860 | 1 | 5/22/1991 11:00 | 0.4 | 5/10/1990 | 0.134 | 885 |
| MI7149 | JIWWTP-SS_low | 12.5 | Separated | 33 | 1 | 5/22/1991 11:00 | 0.3 | 5/10/1990 | 0.030 | 33 |
| MI7163 | JIWWTP-SS_low | 44.6 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| MI7164 | JIWWTP-SS_low | 115.9 | Separated | 0 | 0 | 4/21/1993 13:00 | 0.1 | 4/21/1993 | 0.076 | 0 |
| MI7171 | JIWWTP-SS_low | 131.3 | Separated | 5 | 7 | 5/22/1991 11:00 | 3.5 | 5/10/1990 | 0.297 | 5 |
| MI7172 | JIWWTP-SS_low | 80.4 | Separated | 0 | 2 | 5/22/1991 11:00 | 0.9 | 5/10/1990 | 0.220 | 0 |
| MI7175 | JIWWTP-LF_low | 229.8 | Separated | 521 | 0 | 5/10/1990 9:00 | 0.2 | 5/10/1990 | 0.038 | 525 |
| MI7176 | JIWWTP-LF_low | 113.7 | Separated | 0 | 1 | 5/10/1990 9:00 | 0.6 | 5/10/1990 | 0.052 | 0 |
| MI7177 | JIWWTP-LF_low | 672.1 | Separated | 2 | 3 | 5/10/1990 9:00 | 2.3 | 5/10/1990 | 0.684 | 199 |
| MI7178 | JIWWTP-LF_low | 75.8 | Separated | 13 | 0 | 5/10/1990 9:00 | 0.0 | 5/10/1990 | 0.003 | 13 |
| MI7180 | JIWWTP-SS_low | 143.6 | Separated | 705 | 5 | 5/10/1990 8:00 | 4.4 | 4/20/1993 | 3.568 | 714 |
| MI7301 | JIWWTP-MV | 22.7 | Separated | 0 | 0 | 5/10/1990 11:00 | 0.1 | 5/10/1990 | 0.041 | 0 |
| MI7302 | JIWWTP-MV | 33.9 | Separated | 0 | 0 | 4/21/1993 13:00 | 0.1 | 4/21/1993 | 0.062 | 0 |
| MI7303 | JIWWTP-MV | 14.4 | Separated | 0 | 1 | 5/10/1990 11:00 | 0.9 | 5/10/1990 | 0.813 | 0 |
| MI7304 | JIWWTP-MV | 20.1 | Separated | 0 | 0 | 5/10/1990 9:00 | 0.2 | 5/10/1990 | 0.049 | 0 |
| MI7305 | JIWWTP-MV | 106.0 | Separated | 0 | 0 | 5/10/1990 7:00 | 0.2 | 5/10/1990 | 0.097 | 0 |
| MI7306 | JIWWTP-MV | 12.8 | Separated | 0 | 0 | 5/10/1990 9:00 | 0.2 | 5/10/1990 | 0.038 | 0 |
| RH5006 | MS0505-SS | 126.5 | Separated | 150 | 2 | 5/10/1990 9:00 | 1.3 | 5/10/1990 | 0.151 | 152 |
| SF7001 | MS0704 | 311.9 | Separated | 2390 | 7 | 5/22/1991 11:00 | 2.1 | 5/10/1990 | 0.506 | 2487 |
| SF7002 | MS0704 | 172.5 | Separated | 261 | 4 | 5/22/1991 11:00 | 1.0 | 5/10/1990 | 0.166 | 373 |
| SF7012 | MS0704 | 46.2 | Separated | 0 | 0 | 5/10/1990 7:00 | 0.1 | 5/10/1990 | 0.025 | 97 |
| SH5001 | MS0522 | 88.8 | Separated | 1335 | 7 | 6/21/1997 8:00 | 2.8 | 5/10/1990 | 0.284 | 1310 |
| SH5002 | MS0505-SS | 57.3 | Separated | 525 | 0 | 5/10/1990 11:00 | 0.4 | 4/20/1993 | 0.153 | 539 |
| SH5003 | MS0505-SS | 53.7 | Separated | 1170 | 0 | 5/10/1990 11:00 | 0.4 | 4/20/1993 | 0.211 | 1145 |
| SH5005 | MS0505-SS | 19.4 | Separated | 275 | 0 | 5/10/1990 11:00 | 0.1 | 4/20/1993 | 0.056 | 270 |
| SH5006 | MS0523 | 163.9 | Separated | 2379 | 12 | 5/22/1991 11:00 | 2.0 | 6/21/1997 | 0.339 | 2422 |
| SH5007 | MS0505-SS | 65.1 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| SH5008 | JIWWTP-LF_high | 47.6 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| SH5009 | MS0505-SS | 222.4 | Separated | 3412 | 19 | 5/22/1991 11:00 | 4.9 | 5/10/1990 | 0.769 | 3449 |
| WA5025 | JIWWTP-SS_high | 10.0 | Separated | 176 | 0 | 6/21/1997 8:00 | 0.2 | 5/10/1990 | 0.028 | 172 |
| WB5001 | MS0505-SS | 110.7 | Separated | 1611 | 1 | 5/10/1990 11:00 | 0.7 | 4/20/1993 | 0.329 | 1642 |
| WB5002 | MS0505-SS | 87.3 | Separated | 915 | 1 | 5/10/1990 11:00 | 0.6 | 4/20/1993 | 0.237 | 1062 |
| WB5003 | MS0523 | 86.6 | Separated | 1068 | 7 | 5/22/1991 11:00 | 1.0 | 6/21/1997 | 0.151 | 1051 |
| WB5004 | MS0524 | 256.5 | Separated | 1703 | 6 | 6/21/1997 8:00 | 3.6 | 5/10/1990 | 0.564 | 1687 |
| WB5005 | MS0507 | 269.5 | Separated | 3160 | 8 | 6/21/1997 8:00 | 5.4 | 5/10/1990 | 0.699 | 3099 |
| WB5007 | MS0507 | 314.1 | Separated | 3624 | 10 | 6/21/1997 8:00 | 6.5 | 5/10/1990 | 0.894 | 4055 |
| WB5008 | MS0525 | 202.8 | Separated | 1483 | 6 | 5/10/1990 7:00 | 3.7 | 5/10/1990 | 0.382 | 1508 |

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**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

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| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| WB5009 | MS0505-SS | 35.8 | Separated | 599 | 0 | 5/10/1990 11:00 | 0.2 | 4/20/1993 | 0.116 | 603 |
| WE6019 | MS0103 | 95.3 | Separated | 1412 | 5 | 5/22/1991 11:00 | 1.4 | 6/21/1997 | 0.262 | 1469 |
| WE6021 | MS0604 | 272.5 | Separated | 3698 | 16 | 5/22/1991 11:00 | 5.4 | 5/10/1990 | 0.729 | 4013 |
| WE6024 | MS0603 | 14.6 | Separated | 266 | 0 | 5/22/1991 11:00 | 0.2 | 5/10/1990 | 0.035 | 265 |
| WM6001 | MS0603 | 211.1 | Separated | 524 | 5 | 5/22/1991 11:00 | 2.2 | 5/10/1990 | 0.412 | 513 |
| WM6002 | MS0604 | 45.0 | Separated | 889 | 3 | 5/22/1991 11:00 | 0.9 | 5/10/1990 | 0.119 | 873 |
| WM6003 | MS0603 | 141.0 | Separated | 458 | 3 | 5/22/1991 11:00 | 1.7 | 5/10/1990 | 0.372 | 838 |
| WM6010 | MS0605 | 32.5 | Separated | 610 | 2 | 5/22/1991 11:00 | 0.5 | 5/10/1990 | 0.058 | 607 |
| WM6011 | MS0606 | 85.7 | Separated | 1606 | 12 | 5/22/1991 11:00 | 2.8 | 6/21/1997 | 0.378 | 1686 |
| WM7005 | JIWWTP-SS_low | 22.1 | Separated | 0 | 1 | 5/22/1991 11:00 | 0.3 | 5/10/1990 | 0.090 | 0 |
| WM7007 | JIWWTP-SS_low | 28.2 | Separated | 99 | 1 | 5/22/1991 11:00 | 0.4 | 5/10/1990 | 0.118 | 97 |
| **SSWWTP** | | | | | | | | | | |
| CS4188#1 | MS0401-CS | 339.3 | Combined | 5485 | 522 | 5/22/1991 11:00 | 53.4 | 6/21/1997 | 1.831 | 5558 |
| CS7183#1 | JIWWTP-CS_low | 49.0 | Combined | 545 | 76 | 5/22/1991 11:00 | 7.8 | 6/21/1997 | 0.240 | 548 |
| BA4001 | MS0441 | 167.0 | Separated | 683 | 1 | 6/21/1997 8:00 | 0.7 | 5/10/1990 | 0.102 | 711 |
| BA4002 | MS0440 | 418.0 | Separated | 1322 | 5 | 6/21/1997 8:00 | 2.8 | 5/10/1990 | 0.370 | 1316 |
| BA4003 | MS0440 | 304.7 | Separated | 291 | 3 | 6/21/1997 8:00 | 1.9 | 5/10/1990 | 0.168 | 285 |
| BA4004 | MS0404 | 205.4 | Separated | 830 | 11 | 5/10/1990 8:00 | 7.0 | 5/10/1990 | 0.212 | 816 |
| BA4005 | MS0409 | 24.9 | Separated | 49 | 0 | 5/10/1990 8:00 | 0.1 | 5/10/1990 | 0.012 | 48 |
| BA4006 | MS0440 | 150.7 | Separated | 317 | 2 | 6/21/1997 8:00 | 1.0 | 5/10/1990 | 0.094 | 319 |
| BA4007 | MS0409 | 39.9 | Separated | 33 | 0 | 5/10/1990 8:00 | 0.1 | 5/10/1990 | 0.014 | 32 |
| BA4008 | MS0404 | 152.5 | Separated | 615 | 8 | 5/10/1990 8:00 | 5.2 | 5/10/1990 | 0.157 | 603 |
| BA4009 | MS0406 | 76.4 | Separated | 378 | 4 | 5/10/1990 8:00 | 2.5 | 5/10/1990 | 0.168 | 380 |
| BD4001 | MS0401-SS | 386.6 | Separated | 913 | 6 | 5/10/1990 9:00 | 5.3 | 5/10/1990 | 1.013 | 958 |
| BD4002 | MS0401-SS | 393.2 | Separated | 1982 | 6 | 5/10/1990 9:00 | 5.3 | 5/10/1990 | 0.892 | 2090 |
| BD4003 | MS0432 | 315.1 | Separated | 1255 | 3 | 5/10/1990 8:00 | 2.8 | 5/10/1990 | 0.495 | 1319 |
| BD4004 | MS0413 | 323.2 | Separated | 1908 | 5 | 5/10/1990 8:00 | 3.2 | 5/10/1990 | 0.476 | 1903 |
| BD4005 | MS0413 | 255.3 | Separated | 1419 | 4 | 5/10/1990 8:00 | 2.6 | 5/10/1990 | 0.400 | 1414 |
| BD4006 | MS0431 | 568.8 | Separated | 2138 | 18 | 5/10/1990 8:00 | 12.1 | 5/10/1990 | 1.026 | 2195 |
| BD4007 | MS0413 | 104.4 | Separated | 575 | 2 | 5/10/1990 8:00 | 1.0 | 5/10/1990 | 0.154 | 602 |
| BD4009 | MS0401-SS | 67.1 | Separated | 440 | 1 | 5/10/1990 9:00 | 0.9 | 5/10/1990 | 0.146 | 457 |
| BD4010 | MS0433 | 7.2 | Separated | 21 | 0 | 4/20/1993 7:00 | 0.0 | 4/20/1993 | 0.005 | 22 |
| BD4011 | MS0431 | 163.1 | Separated | 0 | 0 | 1/2/1988 7:00 | 0.0 | 1/2/1988 | 0.000 | 0 |
| BR3001 | MS0337 | 698.9 | Separated | 2427 | 9 | 6/21/1997 8:00 | 6.5 | 5/10/1990 | 0.903 | 2436 |
| BR3002 | MS0301 | 138.0 | Separated | 236 | 1 | 5/10/1990 7:00 | 0.8 | 5/10/1990 | 0.118 | 399 |
| BR3003 | MS0301 | 475.9 | Separated | 1034 | 4 | 5/10/1990 7:00 | 2.6 | 5/10/1990 | 0.313 | 1050 |
| BR3004 | MS0341 | 311.4 | Separated | 140 | 3 | 5/10/1990 8:00 | 2.7 | 5/10/1990 | 0.413 | 265 |
| BR3005 | MS0312 | 288.7 | Separated | 810 | 1 | 5/10/1990 8:00 | 1.1 | 5/10/1990 | 0.212 | 821 |
| BR3006 | MS0335 | 1183.6 | Separated | 2640 | 6 | 4/20/1993 7:00 | 5.5 | 4/20/1993 | 0.882 | 2649 |
| BR3007 | MS0306 | 591.5 | Separated | 854 | 7 | 6/21/1997 8:00 | 5.1 | 5/10/1990 | 0.666 | 1143 |
| BR3008 | MS0334 | 1400.1 | Separated | 3712 | 7 | 5/10/1990 8:00 | 5.8 | 4/20/1993 | 1.416 | 3757 |
| BR3009 | MS0312 | 1216.9 | Separated | 2977 | 5 | 5/10/1990 8:00 | 4.5 | 5/10/1990 | 0.797 | 3082 |
| BR3010 | MS0335 | 628.4 | Separated | 688 | 4 | 4/20/1993 7:00 | 3.1 | 4/20/1993 | 0.608 | 901 |
| BR3011 | MS0329 | 94.2 | Separated | 188 | 1 | 4/20/1993 7:00 | 0.7 | 4/20/1993 | 0.191 | 187 |
| BR3013 | MS0303 | 316.7 | Separated | 505 | 3 | 5/10/1990 8:00 | 2.3 | 5/10/1990 | 0.374 | 559 |
| BR3014 | MS0341 | 343.4 | Separated | 965 | 4 | 5/10/1990 8:00 | 2.9 | 5/10/1990 | 0.336 | 978 |
| BU3001 | MS0313 | 361.5 | Separated | 1881 | 2 | 5/10/1990 11:00 | 1.3 | 4/20/1993 | 0.684 | 1908 |
| BU3002 | MS0303 | 147.5 | Separated | 0 | 1 | 5/10/1990 7:00 | 1.1 | 5/10/1990 | 0.182 | 0 |
| CU1003 | MS0110 | 359.3 | Separated | 2044 | 5 | 6/21/1997 8:00 | 3.5 | 5/10/1990 | 0.639 | 2146 |
| CU1004 | MS0101 | 97.5 | Separated | 287 | 2 | 5/10/1990 9:00 | 1.6 | 5/10/1990 | 0.124 | 287 |
| CU1017 | MS0101 | 352.0 | Separated | 442 | 7 | 5/10/1990 8:00 | 5.6 | 5/10/1990 | 0.424 | 451 |
| CU1020 | SSWWTP | 51.7 | Separated | 0 | 1 | 5/22/1991 11:00 | 0.2 | 6/21/1997 | 0.079 | 0 |
| CV2001 | SSWWTP | 637.8 | Separated | 756 | 7 | 5/22/1991 11:00 | 2.2 | 5/10/1990 | 0.460 | 1002 |
| EG3001 | MS0332 | 230.7 | Separated | 946 | 9 | 5/22/1991 11:00 | 3.7 | 5/10/1990 | 0.364 | 946 |
| EG3002 | MS0306 | 358.3 | Separated | 1121 | 4 | 6/21/1997 8:00 | 2.8 | 5/10/1990 | 0.361 | 1122 |
| EG3003 | MS0330 | 27.7 | Separated | 109 | 1 | 5/10/1990 8:00 | 0.5 | 5/10/1990 | 0.047 | 109 |
| EG3004 | MS0306 | 246.2 | Separated | 517 | 3 | 6/21/1997 8:00 | 1.9 | 5/10/1990 | 0.234 | 530 |
| EG3005 | MS0331 | 311.0 | Separated | 989 | 10 | 5/22/1991 11:00 | 5.0 | 5/10/1990 | 0.364 | 1010 |
| EG3006 | MS0335 | 229.9 | Separated | 725 | 1 | 4/20/1993 7:00 | 1.1 | 4/20/1993 | 0.182 | 725 |
| EG3007 | MS0306 | 475.6 | Separated | 1294 | 6 | 6/21/1997 8:00 | 3.9 | 5/10/1990 | 0.600 | 1355 |
| EG3008 | MS0333 | 223.2 | Separated | 548 | 2 | 5/10/1990 8:00 | 1.7 | 4/20/1993 | 0.265 | 550 |
| FP4001 | MS0404 | 293.0 | Separated | 1487 | 16 | 5/10/1990 8:00 | 10.0 | 5/10/1990 | 0.379 | 1456 |
| FP4002 | MS0406 | 126.5 | Separated | 677 | 6 | 5/10/1990 8:00 | 4.1 | 5/10/1990 | 0.286 | 673 |
| FP4003 | MS0439 | 342.5 | Separated | 934 | 5 | 5/10/1990 8:00 | 3.1 | 5/10/1990 | 0.297 | 950 |
| FP4004 | MS0404 | 240.8 | Separated | 1002 | 13 | 5/10/1990 8:00 | 8.2 | 5/10/1990 | 0.266 | 998 |
| FP4007 | MS0403 | 6.6 | Separated | 53 | 1 | 5/22/1991 11:00 | 0.2 | 5/10/1990 | 0.009 | 52 |
| FP4009 | MS0404 | 47.9 | Separated | 271 | 3 | 5/10/1990 8:00 | 1.6 | 5/10/1990 | 0.063 | 282 |
| FR1010 | MS0111 | 33.3 | Separated | 279 | 2 | 5/22/1991 11:00 | 0.3 | 6/21/1997 | 0.044 | 276 |

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**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

5/28/07 TR_5A.T004.07.05.28.cdr

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| FR2001 | MS0224 | 2429.3 | Separated | 3913 | 13 | 5/22/1991 11:00 | 5.3 | 5/10/1990 | 1.052 | 5043 |
| FR2002 | MS0204 | 658.9 | Separated | 2886 | 5 | 6/21/1997 8:00 | 2.5 | 5/10/1990 | 0.433 | 2870 |
| FR2003 | MS0220 | 1213.6 | Separated | 1456 | 5 | 6/21/1997 8:00 | 3.7 | 5/10/1990 | 0.771 | 2243 |
| FR2004 | MS0201 | 824.4 | Separated | 750 | 2 | 5/10/1990 8:00 | 1.6 | 4/20/1993 | 0.240 | 831 |
| FR2005 | MS0219 | 2494.3 | Separated | 4689 | 13 | 5/10/1990 7:00 | 8.8 | 5/10/1990 | 2.370 | 8231 |
| FR2006 | MS0207 | 1313.4 | Separated | 2378 | 9 | 6/21/1997 8:00 | 4.1 | 5/10/1990 | 0.924 | 3568 |
| FR2007 | MS0201 | 423.2 | Separated | 0 | 1 | 5/10/1990 7:00 | 1.2 | 5/10/1990 | 0.399 | 0 |
| FR2008 | MS0218 | 895.0 | Separated | 1616 | 5 | 6/21/1997 8:00 | 3.9 | 5/10/1990 | 0.590 | 1934 |
| FR2009 | MS0217 | 481.9 | Separated | 1378 | 10 | 5/22/1991 11:00 | 3.8 | 5/10/1990 | 0.512 | 1597 |
| FR2011 | MS0208 | 58.2 | Separated | 695 | 1 | 5/10/1990 7:00 | 0.6 | 5/10/1990 | 0.111 | 715 |
| FR2012 | MS0201 | 971.8 | Separated | 1791 | 3 | 5/10/1990 8:00 | 2.6 | 5/10/1990 | 0.483 | 2517 |
| FR2013 | MS0201 | 527.5 | Separated | 1103 | 2 | 5/10/1990 8:00 | 1.3 | 5/10/1990 | 0.234 | 1285 |
| FR2015 | MS0201 | 869.2 | Separated | 280 | 2 | 5/10/1990 8:00 | 2.0 | 5/10/1990 | 0.365 | 386 |
| FR2016 | MS0201 | 668.2 | Separated | 1082 | 3 | 5/10/1990 7:00 | 2.1 | 5/10/1990 | 0.552 | 2251 |
| FR2017 | MS0201 | 855.1 | Separated | 291 | 3 | 5/10/1990 8:00 | 2.7 | 5/10/1990 | 0.436 | 782 |
| FR2019 | MS0204 | 430.7 | Separated | 129 | 0 | 5/10/1990 7:00 | 0.2 | 5/10/1990 | 0.044 | 153 |
| FR2020 | MS0201 | 6005.2 | Separated | 564 | 3 | 5/10/1990 8:00 | 2.1 | 5/10/1990 | 0.446 | 998 |
| FR2021 | MS0207 | 656.3 | Separated | 2329 | 5 | 6/21/1997 8:00 | 2.2 | 5/10/1990 | 0.650 | 2840 |
| FR2022 | MS0207 | 130.6 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| FR2023 | MS0202 | 142.2 | Separated | 6 | 0 | 5/10/1990 7:00 | 0.0 | 5/10/1990 | 0.003 | 12 |
| FR2024 | MS0201 | 115.3 | Separated | 1879 | 1 | 5/10/1990 7:00 | 0.8 | 5/10/1990 | 0.264 | 1879 |
| GD2001 | MS0202 | 474.3 | Separated | 1566 | 3 | 6/21/1997 8:00 | 1.6 | 5/10/1990 | 0.262 | 1667 |
| GD2004 | MS0202 | 181.2 | Separated | 30 | 1 | 6/21/1997 8:00 | 0.8 | 5/10/1990 | 0.253 | 65 |
| GD2005 | MS0202 | 114.5 | Separated | 295 | 1 | 6/21/1997 8:00 | 0.4 | 5/10/1990 | 0.053 | 289 |
| GD2006 | MS0223 | 159.3 | Separated | 906 | 2 | 5/22/1991 11:00 | 0.8 | 5/10/1990 | 0.182 | 897 |
| GD2008 | MS0202 | 251.8 | Separated | 1044 | 2 | 6/21/1997 8:00 | 0.9 | 5/10/1990 | 0.150 | 1033 |
| GD2009 | MS0222 | 841.9 | Separated | 4803 | 12 | 6/21/1997 8:00 | 6.7 | 5/10/1990 | 1.150 | 4777 |
| GD2012 | MS0221 | 768.2 | Separated | 4646 | 10 | 6/21/1997 8:00 | 5.4 | 5/10/1990 | 0.848 | 4561 |
| GD2016 | MS0208 | 156.9 | Separated | 1097 | 2 | 6/21/1997 8:00 | 1.5 | 5/10/1990 | 0.199 | 1081 |
| GD2018 | MS0202 | 616.6 | Separated | 18 | 0 | 5/10/1990 7:00 | 0.1 | 5/10/1990 | 0.028 | 26 |
| GE3001 | MS0310 | 2024.0 | Separated | 2167 | 5 | 5/10/1990 8:00 | 3.7 | 5/10/1990 | 0.874 | 2513 |
| GE3002 | MS0352 | 1106.3 | Separated | 4365 | 4 | 5/10/1990 7:00 | 3.5 | 5/10/1990 | 0.752 | 4763 |
| GE3003 | MS0353 | 670.7 | Separated | 490 | 1 | 5/10/1990 11:00 | 1.0 | 5/10/1990 | 0.538 | 525 |
| GE3004 | MS0310 | 1473.4 | Separated | 290 | 2 | 5/10/1990 8:00 | 1.8 | 5/10/1990 | 0.435 | 584 |
| GE3005 | MS0310 | 1382.7 | Separated | 3701 | 3 | 5/10/1990 8:00 | 2.8 | 5/10/1990 | 0.755 | 5030 |
| GE3006 | MS0310 | 2273.1 | Separated | 4941 | 4 | 5/10/1990 7:00 | 3.4 | 5/10/1990 | 1.061 | 5673 |
| GE3007 | MS0310 | 6908.6 | Separated | 1636 | 6 | 5/10/1990 8:00 | 5.1 | 5/10/1990 | 1.034 | 2556 |
| GE3008 | MS0310 | 6189.4 | Separated | 670 | 2 | 5/10/1990 8:00 | 1.7 | 5/10/1990 | 0.348 | 897 |
| GF1004 | MS0105 | 510.9 | Separated | 3542 | 8 | 6/21/1997 8:00 | 6.0 | 5/10/1990 | 0.806 | 3516 |
| GF1005 | MS0105 | 528.6 | Separated | 2980 | 8 | 6/21/1997 8:00 | 6.2 | 5/10/1990 | 0.723 | 3012 |
| GF1006 | MS0105 | 730.3 | Separated | 3828 | 11 | 6/21/1997 8:00 | 8.5 | 5/10/1990 | 0.947 | 4082 |
| GF1011 | MS0113 | 582.5 | Separated | 2401 | 12 | 5/22/1991 11:00 | 4.0 | 6/21/1997 | 0.566 | 2544 |
| GF1013 | MS0111 | 10.7 | Separated | 2 | 0 | 5/22/1991 11:00 | 0.1 | 6/21/1997 | 0.010 | 2 |
| GF1014 | MS0111 | 53.6 | Separated | 272 | 2 | 5/22/1991 11:00 | 0.5 | 6/21/1997 | 0.054 | 273 |
| GF1016 | MS0112 | 109.1 | Separated | 735 | 3 | 5/22/1991 11:00 | 1.3 | 5/10/1990 | 0.099 | 607 |
| GF1036 | MS0102 | 81.8 | Separated | 632 | 3 | 6/21/1997 8:00 | 1.6 | 5/10/1990 | 0.141 | 636 |
| GF2001 | MS0234 | 867.5 | Separated | 2677 | 7 | 6/21/1997 8:00 | 3.7 | 5/10/1990 | 1.014 | 2919 |
| GF2002 | MS0233 | 715.8 | Separated | 4544 | 8 | 6/21/1997 8:00 | 4.9 | 5/10/1990 | 0.857 | 4813 |
| GF2003 | MS0205 | 680.2 | Separated | 1702 | 3 | 5/10/1990 7:00 | 2.1 | 5/10/1990 | 0.404 | 1801 |
| GF2012 | MS0208 | 283.6 | Separated | 2235 | 4 | 5/10/1990 8:00 | 2.9 | 5/10/1990 | 0.445 | 2330 |
| GF2020 | MS0231 | 329.6 | Separated | 1487 | 7 | 5/22/1991 11:00 | 1.8 | 6/21/1997 | 0.410 | 1479 |
| GF2022 | MS0203 | 117.1 | Separated | 38 | 1 | 5/10/1990 8:00 | 1.0 | 5/10/1990 | 0.105 | 38 |
| GF2023 | MS0212 | 13.0 | Separated | 172 | 0 | 6/21/1997 8:00 | 0.1 | 5/10/1990 | 0.028 | 172 |
| GF2026 | MS0202 | 125.4 | Separated | 205 | 1 | 6/21/1997 8:00 | 0.5 | 5/10/1990 | 0.094 | 222 |
| GF2027 | MS0230 | 38.3 | Separated | 0 | 0 | 5/10/1990 9:00 | 0.3 | 5/10/1990 | 0.023 | 0 |
| GF2033 | MS0203 | 218.4 | Separated | 684 | 3 | 5/10/1990 8:00 | 1.8 | 5/10/1990 | 0.147 | 897 |
| GF2034 | MS0232 | 24.1 | Separated | 185 | 0 | 6/21/1997 8:00 | 0.2 | 5/10/1990 | 0.052 | 184 |
| GF2035 | MS0205 | 446.9 | Separated | 978 | 2 | 5/10/1990 8:00 | 1.3 | 5/10/1990 | 0.229 | 988 |
| GF2037 | MS0208 | 8.0 | Separated | 11 | 0 | 5/10/1990 7:00 | 0.0 | 5/10/1990 | 0.006 | 32 |
| GF6032 | MS0102 | 109.6 | Separated | 0 | 0 | 1/2/1988 7:00 | 0.0 | 1/2/1988 | 0.006 | 0 |
| GL4024 | MS0401-SS | 9.5 | Separated | 78 | 0 | 5/10/1990 9:00 | 0.1 | 5/10/1990 | 0.022 | 78 |
| GL4025 | MS0437 | 401.7 | Separated | 1939 | 3 | 5/10/1990 8:00 | 2.9 | 4/20/1993 | 0.559 | 1941 |
| GL4031 | MS0404 | 10.1 | Separated | 48 | 1 | 5/10/1990 8:00 | 0.3 | 5/10/1990 | 0.014 | 48 |
| GL4053 | MS0430 | 92.5 | Separated | 146 | 1 | 5/10/1990 8:00 | 0.9 | 5/10/1990 | 0.200 | 146 |
| GL4055 | MS0403 | 72.4 | Separated | 281 | 7 | 5/22/1991 11:00 | 1.7 | 5/10/1990 | 0.082 | 280 |
| HC2001 | MS0202 | 171.0 | Separated | 349 | 1 | 6/21/1997 8:00 | 0.6 | 5/10/1990 | 0.103 | 444 |
| HC2002 | MS0232 | 171.2 | Separated | 637 | 2 | 6/21/1997 8:00 | 1.5 | 5/10/1990 | 0.286 | 654 |
| HC2003 | MS0228 | 181.7 | Separated | 766 | 4 | 5/22/1991 11:00 | 1.6 | 5/10/1990 | 0.292 | 1030 |
| HC2004 | MS0209 | 383.4 | Separated | 1862 | 8 | 5/10/1990 8:00 | 5.2 | 5/10/1990 | 0.424 | 1981 |

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**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

5/28/07 TR_5A.T004.07.05.28.cdr

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| HC2005 | MS0229 | 158.0 | Separated | 625 | 4 | 5/22/1991 11:00 | 0.9 | 6/21/1997 | 0.168 | 668 |
| HC2006 | MS0230 | 294.1 | Separated | 983 | 3 | 5/10/1990 8:00 | 2.6 | 5/10/1990 | 0.401 | 1233 |
| HC2007 | MS0205 | 45.7 | Separated | 104 | 0 | 5/10/1990 7:00 | 0.2 | 5/10/1990 | 0.049 | 124 |
| HC2008 | MS0204 | 249.8 | Separated | 20 | 0 | 5/10/1990 7:00 | 0.0 | 5/10/1990 | 0.003 | 20 |
| HC2009 | MS0209 | 391.0 | Separated | 2419 | 8 | 5/10/1990 8:00 | 5.5 | 5/10/1990 | 0.664 | 2908 |
| ME3009 | MS0308 | 909.2 | Separated | 850 | 3 | 5/10/1990 9:00 | 2.6 | 5/10/1990 | 0.280 | 908 |
| ME3013 | MS0308 | 5140.7 | Separated | 826 | 2 | 5/10/1990 8:00 | 1.6 | 5/10/1990 | 0.324 | 824 |
| ME4001 | MS0445 | 1660.9 | Separated | 2571 | 10 | 5/22/1991 11:00 | 3.4 | 5/10/1990 | 0.544 | 2826 |
| ME4002 | MS0443 | 918.4 | Separated | 1399 | 5 | 6/21/1997 8:00 | 2.5 | 5/10/1990 | 0.474 | 1456 |
| ME4003 | MS0444 | 1432.8 | Separated | 2355 | 15 | 5/22/1991 11:00 | 3.5 | 6/21/1997 | 0.638 | 2502 |
| ME4004 | MS0409 | 2497.7 | Separated | 4579 | 13 | 5/10/1990 8:00 | 10.4 | 5/10/1990 | 1.605 | 5267 |
| ME4005 | MS0442 | 342.3 | Separated | 796 | 2 | 6/21/1997 8:00 | 1.1 | 5/10/1990 | 0.241 | 796 |
| ME4006 | MS0434 | 1238.7 | Separated | 1724 | 7 | 5/10/1990 8:00 | 6.0 | 5/10/1990 | 0.777 | 1835 |
| ME4008 | MS0408 | 3753.8 | Separated | 3558 | 39 | 5/22/1991 11:00 | 10.1 | 5/10/1990 | 1.512 | 4003 |
| ME4010 | MS0435 | 2017.1 | Separated | 2220 | 3 | 5/10/1990 8:00 | 2.4 | 4/20/1993 | 0.508 | 2544 |
| ME4011 | MS0436 | 60.5 | Separated | 109 | 1 | 5/10/1990 8:00 | 0.4 | 5/10/1990 | 0.054 | 112 |
| ME4012 | MS0409 | 3851.8 | Separated | 530 | 1 | 5/10/1990 7:00 | 0.5 | 5/10/1990 | 0.152 | 943 |
| ME4014 | MS0408 | 5733.5 | Separated | 758 | 2 | 5/10/1990 8:00 | 1.7 | 5/10/1990 | 0.306 | 865 |
| ME4015 | MS0408 | 168.0 | Separated | 38 | 0 | 5/10/1990 8:00 | 0.1 | 5/10/1990 | 0.012 | 39 |
| MF3001 | MS0343 | 1595.2 | Separated | 6168 | 14 | 5/10/1990 8:00 | 11.8 | 5/10/1990 | 1.620 | 6526 |
| MF3003 | MS0345 | 969.3 | Separated | 3756 | 9 | 5/10/1990 8:00 | 7.0 | 5/10/1990 | 1.114 | 3882 |
| MF3004 | MS0307 | 2687.4 | Separated | 7307 | 7 | 5/10/1990 8:00 | 5.3 | 5/10/1990 | 1.232 | 7357 |
| MF3005 | MS0342 | 4055.0 | Separated | 8347 | 8 | 6/21/1997 8:00 | 5.9 | 5/10/1990 | 1.746 | 9837 |
| MF3006 | MS0311 | 542.4 | Separated | 695 | 6 | 5/10/1990 9:00 | 5.1 | 5/10/1990 | 1.054 | 690 |
| MF3007 | MS0308 | 532.0 | Separated | 75 | 0 | 5/10/1990 8:00 | 0.2 | 5/10/1990 | 0.109 | 75 |
| MF3008 | MS0310 | 814.6 | Separated | 557 | 1 | 5/10/1990 8:00 | 0.8 | 5/10/1990 | 0.166 | 586 |
| MF3009 | MS0344 | 399.0 | Separated | 2252 | 4 | 5/10/1990 8:00 | 3.5 | 4/20/1993 | 0.643 | 2754 |
| MF3011 | MS0303 | 162.1 | Separated | 4 | 0 | 5/10/1990 7:00 | 0.1 | 5/10/1990 | 0.030 | 4 |
| MF3012 | MS0303 | 721.2 | Separated | 211 | 6 | 5/10/1990 8:00 | 5.3 | 5/10/1990 | 0.480 | 485 |
| MI1074 | MS0103 | 14.6 | Separated | 14 | 0 | 6/21/1997 8:00 | 0.2 | 5/10/1990 | 0.023 | 16 |
| MI1077 | MS0102 | 343.5 | Separated | 2839 | 11 | 6/21/1997 8:00 | 6.9 | 5/10/1990 | 0.624 | 2887 |
| MI1079 | MS0102 | 279.5 | Separated | 1815 | 9 | 6/21/1997 8:00 | 5.5 | 5/10/1990 | 0.431 | 1816 |
| MI1080 | MS0102 | 376.4 | Separated | 3192 | 13 | 6/21/1997 8:00 | 7.5 | 5/10/1990 | 0.685 | 3237 |
| MI1082 | MS0112 | 254.2 | Separated | 1462 | 8 | 5/22/1991 11:00 | 3.0 | 5/10/1990 | 0.211 | 1465 |
| MI1083 | MS0112 | 133.8 | Separated | 751 | 4 | 5/22/1991 11:00 | 1.6 | 5/10/1990 | 0.102 | 758 |
| MI1084 | MS0112 | 279.7 | Separated | 2901 | 9 | 5/22/1991 11:00 | 3.4 | 5/10/1990 | 0.312 | 2897 |
| MI1085 | MS0111 | 111.0 | Separated | 1106 | 5 | 5/22/1991 11:00 | 1.1 | 6/21/1997 | 0.144 | 1106 |
| MI1086 | MS0111 | 211.4 | Separated | 732 | 10 | 5/22/1991 11:00 | 2.0 | 6/21/1997 | 0.205 | 725 |
| MI1087 | MS0101 | 437.0 | Separated | 781 | 86 | 5/22/1991 11:00 | 13.7 | 6/21/1997 | 0.496 | 784 |
| MI1088 | MS0101 | 1960.8 | Separated | 604 | 59 | 5/22/1991 11:00 | 9.4 | 6/21/1997 | 1.049 | 609 |
| MI1097 | MS0117 | 138.5 | Separated | 1420 | 3 | 5/22/1991 11:00 | 0.9 | 6/21/1997 | 0.104 | 1428 |
| MI1100 | MS0116 | 118.1 | Separated | 1631 | 24 | 5/22/1991 11:00 | 4.1 | 6/21/1997 | 0.289 | 1648 |
| MI1101 | MS0115 | 311.4 | Separated | 2707 | 7 | 5/22/1991 11:00 | 2.2 | 5/10/1990 | 0.342 | 2715 |
| MI1102 | MS0114 | 347.2 | Separated | 4016 | 15 | 5/22/1991 11:00 | 4.1 | 6/21/1997 | 0.731 | 4019 |
| MI1103 | MS0113 | 63.6 | Separated | 76 | 1 | 5/22/1991 11:00 | 0.5 | 6/21/1997 | 0.095 | 76 |
| MI1123 | MS0118 | 47.3 | Separated | 700 | 4 | 6/21/1997 8:00 | 1.9 | 5/10/1990 | 0.180 | 708 |
| MI1128 | MS0105 | 159.4 | Separated | 1136 | 2 | 6/21/1997 8:00 | 1.9 | 5/10/1990 | 0.231 | 1141 |
| MI1130 | MS0102 | 19.9 | Separated | 384 | 1 | 6/21/1997 8:00 | 0.4 | 5/10/1990 | 0.057 | 384 |
| MI1135 | MS0101 | 130.4 | Separated | 1216 | 3 | 5/10/1990 9:00 | 2.2 | 5/10/1990 | 0.241 | 1223 |
| MI1136 | MS0102 | 555.4 | Separated | 1904 | 18 | 6/21/1997 8:00 | 11.1 | 5/10/1990 | 1.037 | 1918 |
| MI1137 | MS0104 | 386.9 | Separated | 4209 | 9 | 6/21/1997 8:00 | 5.8 | 5/10/1990 | 1.002 | 4259 |
| MI1150 | MS0115 | 330.9 | Separated | 2217 | 7 | 5/22/1991 11:00 | 2.3 | 5/10/1990 | 0.359 | 2217 |
| MI1158 | MS0102 | 99.7 | Separated | 472 | 3 | 6/21/1997 8:00 | 2.0 | 5/10/1990 | 0.137 | 480 |
| MI2094 | MS0233 | 292.4 | Separated | 2994 | 3 | 6/21/1997 8:00 | 2.1 | 5/10/1990 | 0.484 | 2990 |
| MI2126 | MS0212 | 88.6 | Separated | 1084 | 1 | 6/21/1997 8:00 | 0.8 | 5/10/1990 | 0.188 | 1086 |
| MI3026 | MS0303 | 567.2 | Separated | 1340 | 5 | 5/10/1990 8:00 | 3.8 | 5/10/1990 | 0.325 | 1371 |
| MI3027 | MS0303 | 424.7 | Separated | 812 | 4 | 5/10/1990 8:00 | 3.0 | 5/10/1990 | 0.439 | 812 |
| MI3028 | MS0308 | 1688.6 | Separated | 2390 | 6 | 5/10/1990 9:00 | 5.4 | 5/10/1990 | 1.071 | 2467 |
| MI3029 | MS0351 | 529.8 | Separated | 3390 | 3 | 5/10/1990 7:00 | 2.3 | 4/20/1993 | 1.089 | 3488 |
| MI3030 | MS0350 | 450.1 | Separated | 3194 | 4 | 5/10/1990 8:00 | 3.1 | 5/10/1990 | 0.829 | 3197 |
| MI3031 | MS0350 | 718.4 | Separated | 765 | 7 | 5/10/1990 8:00 | 4.8 | 5/10/1990 | 1.069 | 769 |
| MI3032 | MS0349 | 349.1 | Separated | 2993 | 10 | 6/21/1997 8:00 | 5.3 | 5/10/1990 | 0.949 | 3016 |
| MI3033 | MS0304 | 281.2 | Separated | 2524 | 2 | 5/10/1990 8:00 | 2.0 | 5/10/1990 | 0.280 | 2524 |
| MI3034 | MS0348 | 420.1 | Separated | 1171 | 9 | 5/22/1991 11:00 | 3.2 | 5/10/1990 | 0.442 | 1186 |
| MI3035 | MS0347 | 445.1 | Separated | 3024 | 8 | 5/10/1990 8:00 | 5.6 | 5/10/1990 | 1.069 | 3037 |
| MI3036 | MS0346 | 431.2 | Separated | 5281 | 7 | 5/10/1990 8:00 | 5.7 | 5/10/1990 | 0.699 | 5288 |
| MI3037 | MS0304 | 629.7 | Separated | 3719 | 6 | 5/10/1990 8:00 | 4.5 | 5/10/1990 | 0.726 | 3722 |
| MI3038 | MS0340 | 53.0 | Separated | 851 | 1 | 5/22/1991 11:00 | 0.6 | 5/10/1990 | 0.197 | 851 |
| MI3040 | MS0340 | 331.9 | Separated | 3568 | 8 | 5/22/1991 11:00 | 3.6 | 5/10/1990 | 0.971 | 3632 |

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**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

5/28/07 TR_5A.T004.07.05.28.cdr

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| MI3041 | MS0339 | 379.3 | Separated | 4414 | 19 | 5/22/1991 11:00 | 4.0 | 6/21/1997 | 0.641 | 4506 |
| MI3061 | MS0399 | 148.2 | Separated | 0 | 1 | 4/20/1993 3:00 | 0.9 | 4/20/1993 | 0.737 | 0 |
| MI3062 | WWTemp2 | 323.9 | Separated | 1684 | 5 | 5/10/1990 8:00 | 4.1 | 5/10/1990 | 0.257 | 1691 |
| MI3063 | MS0319 | 38.7 | Separated | 354 | 1 | 6/21/1997 8:00 | 0.5 | 5/10/1990 | 0.075 | 356 |
| MI3064 | MS0103 | 102.5 | Separated | 596 | 2 | 6/21/1997 8:00 | 1.2 | 5/10/1990 | 0.225 | 597 |
| MI3065 | MS0338 | 206.6 | Separated | 1851 | 10 | 5/10/1990 8:00 | 6.4 | 5/10/1990 | 0.436 | 1883 |
| MI3095 | MS0315 | 515.2 | Separated | 6382 | 4 | 5/10/1990 7:00 | 2.8 | 5/10/1990 | 0.746 | 6474 |
| MI3096 | MS0316 | 560.7 | Separated | 5208 | 47 | 5/22/1991 11:00 | 12.1 | 6/21/1997 | 1.952 | 5286 |
| MI3122 | MS0321 | 120.0 | Separated | 268 | 2 | 5/10/1990 8:00 | 1.1 | 5/10/1990 | 0.161 | 269 |
| MI3124 | MS0305 | 21.2 | Separated | 68 | 1 | 5/10/1990 8:00 | 0.5 | 5/10/1990 | 0.044 | 68 |
| MI3132 | MS0303 | 586.8 | Separated | 72 | 6 | 5/10/1990 8:00 | 4.5 | 5/10/1990 | 0.687 | 81 |
| MI3134 | MS0346 | 328.5 | Separated | 0 | 0 | 1/2/1988 7:00 | 0.0 | 1/2/1988 | 0.000 | 0 |
| MI3138 | MS0410 | 6.7 | Separated | 93 | 0 | 5/10/1990 7:00 | 0.0 | 5/10/1990 | 0.009 | 93 |
| MI3151 | MS0308 | 787.4 | Separated | 4000 | 3 | 5/10/1990 9:00 | 2.9 | 5/10/1990 | 0.909 | 4025 |
| MI3152 | MS0308 | 975.6 | Separated | 1737 | 4 | 5/10/1990 9:00 | 3.2 | 5/10/1990 | 0.747 | 1742 |
| MI3153 | MS0304 | 256.5 | Separated | 1160 | 2 | 5/10/1990 8:00 | 1.7 | 5/10/1990 | 0.187 | 1168 |
| MI3154 | MS0304 | 631.2 | Separated | 3089 | 5 | 5/10/1990 8:00 | 4.3 | 5/10/1990 | 0.507 | 3097 |
| MI4001 | MS0433 | 1307.1 | Separated | 6416 | 7 | 4/20/1993 7:00 | 5.6 | 4/20/1993 | 1.632 | 6638 |
| MI4002 | MS0413 | 676.7 | Separated | 3907 | 11 | 5/10/1990 8:00 | 7.1 | 5/10/1990 | 1.294 | 3958 |
| MI4003 | MS0430 | 304.0 | Separated | 2446 | 5 | 5/10/1990 8:00 | 3.2 | 5/10/1990 | 0.725 | 2447 |
| MI4004 | MS0428 | 960.8 | Separated | 4022 | 2 | 5/10/1990 11:00 | 1.9 | 5/10/1990 | 0.702 | 4047 |
| MI4005 | MS0429 | 117.4 | Separated | 1620 | 2 | 5/10/1990 8:00 | 1.5 | 5/10/1990 | 0.271 | 1622 |
| MI4006 | MS0428 | 549.5 | Separated | 1634 | 1 | 5/10/1990 9:00 | 1.0 | 5/10/1990 | 0.333 | 1633 |
| MI4007 | MS0427 | 571.0 | Separated | 6885 | 9 | 5/10/1990 7:00 | 6.1 | 5/10/1990 | 1.574 | 6819 |
| MI4008 | MS0426 | 213.7 | Separated | 3720 | 4 | 5/10/1990 7:00 | 2.8 | 5/10/1990 | 0.682 | 3723 |
| MI4009 | MS0425 | 421.6 | Separated | 4133 | 7 | 5/10/1990 8:00 | 4.5 | 5/10/1990 | 1.141 | 4135 |
| MI4010 | MS0423 | 292.6 | Separated | 4023 | 3 | 5/10/1990 8:00 | 2.0 | 5/10/1990 | 0.471 | 4008 |
| MI4011 | MS0407 | 213.8 | Separated | 1934 | 22 | 5/22/1991 11:00 | 5.3 | 6/21/1997 | 0.450 | 1919 |
| MI4012 | MS0422 | 76.9 | Separated | 823 | 3 | 5/10/1990 7:00 | 1.8 | 5/10/1990 | 0.254 | 824 |
| MI4014 | MS0421 | 311.3 | Separated | 4408 | 6 | 5/10/1990 8:00 | 3.7 | 5/10/1990 | 0.652 | 4388 |
| MI4021 | MS0401-SS | 188.2 | Separated | 1410 | 3 | 5/10/1990 8:00 | 2.8 | 5/10/1990 | 0.594 | 1395 |
| MI4042 | MS0401-SS | 518.9 | Separated | 4660 | 8 | 5/10/1990 9:00 | 7.0 | 5/10/1990 | 1.246 | 4709 |
| MI4043 | MS0401-SS | 151.0 | Separated | 2031 | 3 | 5/10/1990 9:00 | 2.1 | 5/10/1990 | 0.429 | 2070 |
| MI4044 | MS0401-SS | 124.6 | Separated | 1795 | 2 | 5/10/1990 9:00 | 1.8 | 5/10/1990 | 0.367 | 1824 |
| MI4046 | MS0418 | 275.5 | Separated | 5216 | 15 | 5/22/1991 11:00 | 4.4 | 6/21/1997 | 0.651 | 5176 |
| MI4067 | MS0411 | 168.6 | Separated | 2062 | 7 | 5/10/1990 8:00 | 4.5 | 5/10/1990 | 0.420 | 2094 |
| MI4071 | MS0416 | 381.9 | Separated | 4353 | 10 | 5/10/1990 8:00 | 6.9 | 5/10/1990 | 1.319 | 4398 |
| MI4073 | MS0419 | 408.5 | Separated | 4826 | 10 | 5/10/1990 8:00 | 8.1 | 5/10/1990 | 1.245 | 4826 |
| MI4075 | MS0401-SS | 4.0 | Separated | 93 | 0 | 5/10/1990 9:00 | 0.1 | 5/10/1990 | 0.014 | 93 |
| MI4114 | MS0431 | 59.5 | Separated | 484 | 2 | 5/10/1990 8:00 | 1.3 | 5/10/1990 | 0.122 | 484 |
| MI4121 | MS0410 | 268.1 | Separated | 1858 | 5 | 5/10/1990 8:00 | 3.3 | 5/10/1990 | 0.534 | 1899 |
| MI4139 | MS0420 | 111.4 | Separated | 1650 | 4 | 5/10/1990 7:00 | 2.8 | 5/10/1990 | 0.342 | 1635 |
| MI4140 | MS0407 | 246.3 | Separated | 3119 | 25 | 5/22/1991 11:00 | 6.2 | 6/21/1997 | 0.616 | 3099 |
| MI4141 | MS0424 | 245.2 | Separated | 2080 | 2 | 5/10/1990 8:00 | 1.5 | 5/10/1990 | 0.275 | 2056 |
| MI4142 | MS0401-SS | 403.1 | Separated | 420 | 6 | 5/10/1990 9:00 | 5.3 | 5/10/1990 | 0.822 | 422 |
| MI4155 | MS0401-SS | 61.8 | Separated | 757 | 1 | 5/10/1990 9:00 | 0.9 | 5/10/1990 | 0.169 | 761 |
| MI4156 | MS0401-SS | 61.2 | Separated | 653 | 1 | 5/10/1990 9:00 | 0.8 | 5/10/1990 | 0.153 | 648 |
| MI4159 | MS0417 | 19.0 | Separated | 155 | 0 | 5/22/1991 11:00 | 0.1 | 5/10/1990 | 0.034 | 155 |
| MI4160 | MS0419 | 232.7 | Separated | 0 | 0 | 12:00:00 AM | 0.0 | 12:00:00 AM | 0.000 | 0 |
| MI4161 | MS0401-SS | 38.8 | Separated | 635 | 1 | 5/10/1990 9:00 | 0.5 | 5/10/1990 | 0.114 | 635 |
| MI4168 | MS0412 | 84.0 | Separated | 256 | 9 | 5/22/1991 11:00 | 2.4 | 6/21/1997 | 0.120 | 256 |
| MI6107 | MS0102 | 245.1 | Separated | 1351 | 8 | 6/21/1997 8:00 | 4.9 | 5/10/1990 | 0.482 | 1377 |
| MU2001 | MS0211 | 3997.8 | Separated | 4972 | 10 | 5/10/1990 7:00 | 6.6 | 5/10/1990 | 1.355 | 6418 |
| MU2002 | MS0211 | 985.7 | Separated | 1354 | 3 | 5/10/1990 7:00 | 1.9 | 5/10/1990 | 0.396 | 2111 |
| MU2003 | MS0204 | 2939.2 | Separated | 1049 | 14 | 6/21/1997 8:00 | 8.0 | 5/10/1990 | 1.026 | 2518 |
| MU2004 | MS0211 | 3787.9 | Separated | 497 | 1 | 5/10/1990 7:00 | 0.7 | 5/10/1990 | 0.182 | 912 |
| MU2005 | MS0225 | 1396.1 | Separated | 4485 | 12 | 5/22/1991 11:00 | 5.3 | 4/20/1993 | 1.290 | 4761 |
| MU2006 | MS0226 | 959.8 | Separated | 3204 | 13 | 5/22/1991 11:00 | 4.1 | 5/10/1990 | 1.224 | 3605 |
| MU2007 | MS0227 | 1781.7 | Separated | 4505 | 6 | 6/21/1997 8:00 | 4.6 | 5/10/1990 | 1.213 | 5015 |
| NB2002 | MS0235 | 108.3 | Separated | 613 | 1 | 6/21/1997 8:00 | 0.6 | 5/10/1990 | 0.135 | 611 |
| NB2003 | MS0234 | 834.4 | Separated | 4344 | 7 | 6/21/1997 8:00 | 3.9 | 5/10/1990 | 1.100 | 4644 |
| NB2007 | MS0210 | 2086.9 | Separated | 3745 | 12 | 5/22/1991 11:00 | 5.0 | 4/20/1993 | 1.370 | 4364 |
| NB2008 | MS0227 | 123.3 | Separated | 215 | 0 | 6/21/1997 8:00 | 0.3 | 5/10/1990 | 0.071 | 245 |
| NB2009 | MS0213 | 1549.5 | Separated | 5568 | 10 | 5/10/1990 8:00 | 8.2 | 5/10/1990 | 1.154 | 5778 |
| NB2010 | MS0210 | 615.3 | Separated | 1148 | 3 | 5/10/1990 8:00 | 2.2 | 5/10/1990 | 0.423 | 1570 |
| NB2011 | MS0210 | 1686.5 | Separated | 6307 | 10 | 5/22/1991 11:00 | 4.2 | 4/20/1993 | 1.298 | 7053 |
| NB2013 | MS0210 | 3028.1 | Separated | 1772 | 6 | 5/10/1990 8:00 | 5.0 | 5/10/1990 | 0.925 | 2619 |
| NB2014 | MS0227 | 402.5 | Separated | 0 | 0 | 5/10/1990 7:00 | 0.3 | 5/10/1990 | 0.129 | 10 |
| NB2016 | MS0225 | 7.8 | Separated | 4 | 0 | 5/10/1990 7:00 | 0.0 | 5/10/1990 | 0.012 | 4 |

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**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

5/28/07 TR_5A.T004.07.05.28.cdr

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| NB2017 | MS0227 | 623.4 | Separated | 365 | 1 | 5/10/1990 8:00 | 1.0 | 5/10/1990 | 0.190 | 539 |
| NB3001 | MS0324 | 802.4 | Separated | 3532 | 5 | 5/10/1990 8:00 | 4.4 | 5/10/1990 | 0.799 | 3551 |
| NB3004 | MS0203 | 27.5 | Separated | 199 | 0 | 5/10/1990 8:00 | 0.2 | 5/10/1990 | 0.021 | 198 |
| NB3005 | MS0325 | 202.5 | Separated | 886 | 1 | 5/10/1990 8:00 | 1.2 | 5/10/1990 | 0.208 | 894 |
| NB3006 | MS0326 | 2478.6 | Separated | 4337 | 6 | 5/10/1990 11:00 | 5.1 | 5/10/1990 | 1.891 | 4540 |
| NB3012 | MS0203 | 287.9 | Separated | 1271 | 4 | 5/10/1990 8:00 | 2.3 | 5/10/1990 | 0.202 | 1270 |
| NB3015 | MS0326 | 540.5 | Separated | 18 | 1 | 5/10/1990 8:00 | 0.5 | 5/10/1990 | 0.099 | 256 |
| OC1001 | MS0106 | 986.1 | Separated | 2631 | 6 | 5/10/1990 8:00 | 4.7 | 5/10/1990 | 0.773 | 3731 |
| OC1003 | MS0106 | 1257.1 | Separated | 2042 | 6 | 5/10/1990 8:00 | 5.1 | 5/10/1990 | 0.747 | 2482 |
| OC1005 | SSWWTP | 621.0 | Separated | 1235 | 7 | 5/22/1991 11:00 | 2.3 | 5/10/1990 | 0.447 | 1700 |
| OC1006 | MS0109 | 448.1 | Separated | 905 | 7 | 5/22/1991 11:00 | 3.6 | 5/10/1990 | 0.767 | 1840 |
| OC1007 | MS0111 | 199.7 | Separated | 1238 | 9 | 5/22/1991 11:00 | 2.0 | 6/21/1997 | 0.250 | 1370 |
| OC1010 | SSWWTP | 287.0 | Separated | 1093 | 3 | 5/22/1991 11:00 | 1.1 | 5/10/1990 | 0.264 | 1391 |
| OC1019 | SSWWTP | 920.8 | Separated | 2076 | 10 | 5/22/1991 11:00 | 3.1 | 5/10/1990 | 0.859 | 3670 |
| OC1024 | MS0109 | 961.9 | Separated | 3 | 1 | 5/10/1990 7:00 | 0.8 | 5/10/1990 | 0.212 | 775 |
| OC1028 | MS0106 | 1096.4 | Separated | 990 | 5 | 5/10/1990 8:00 | 4.3 | 5/10/1990 | 0.786 | 1061 |
| OC1029 | SSWWTP | 76.9 | Separated | 56 | 1 | 5/22/1991 11:00 | 0.2 | 6/21/1997 | 0.042 | 58 |
| OC2002 | SSWWTP | 672.4 | Separated | 1102 | 7 | 5/22/1991 11:00 | 2.5 | 5/10/1990 | 0.526 | 2029 |
| OC2004 | MS0214 | 914.7 | Separated | 2269 | 4 | 6/21/1997 8:00 | 3.2 | 5/10/1990 | 0.745 | 3210 |
| OC2012 | MS0216 | 1064.2 | Separated | 1919 | 3 | 5/10/1990 8:00 | 2.2 | 5/10/1990 | 0.590 | 2233 |
| OC2013 | SSWWTP | 989.2 | Separated | 943 | 10 | 5/22/1991 11:00 | 3.0 | 5/10/1990 | 0.612 | 1661 |
| OC2014 | SSWWTP | 769.0 | Separated | 486 | 8 | 5/22/1991 11:00 | 2.0 | 6/21/1997 | 0.460 | 551 |
| OC2015 | MS0215 | 347.7 | Separated | 1754 | 2 | 5/10/1990 7:00 | 1.1 | 5/10/1990 | 0.413 | 1897 |
| OC2017 | SSWWTP | 745.2 | Separated | 1625 | 8 | 5/22/1991 11:00 | 2.3 | 5/10/1990 | 0.524 | 2134 |
| OC2025 | SSWWTP | 975.3 | Separated | 634 | 10 | 5/22/1991 11:00 | 2.8 | 5/10/1990 | 0.532 | 1198 |
| OC2027 | SSWWTP | 2164.7 | Separated | 3271 | 23 | 5/22/1991 11:00 | 6.8 | 5/10/1990 | 1.689 | 4537 |
| OC2030 | SSWWTP | 1039.2 | Separated | 802 | 11 | 5/22/1991 11:00 | 2.7 | 5/10/1990 | 0.591 | 995 |
| OC2031 | SSWWTP | 741.8 | Separated | 457 | 8 | 5/22/1991 11:00 | 2.4 | 5/10/1990 | 0.456 | 1191 |
| OC2032 | SSWWTP | 939.2 | Separated | 925 | 10 | 5/22/1991 11:00 | 3.0 | 5/10/1990 | 0.580 | 1758 |
| RH4003 | MS0441 | 666.0 | Separated | 525 | 5 | 6/21/1997 8:00 | 2.6 | 5/10/1990 | 0.179 | 554 |
| RH4004 | MS0404 | 114.5 | Separated | 43 | 6 | 5/10/1990 8:00 | 3.9 | 5/10/1990 | 0.081 | 53 |
| SF1003 | MS0101 | 155.4 | Separated | 382 | 3 | 5/10/1990 8:00 | 2.5 | 5/10/1990 | 0.204 | 393 |
| SF1006 | MS0101 | 51.4 | Separated | 531 | 1 | 5/10/1990 9:00 | 0.9 | 5/10/1990 | 0.101 | 550 |
| TH4001 | MS0436 | 689.0 | Separated | 3254 | 7 | 5/10/1990 8:00 | 5.1 | 5/10/1990 | 1.015 | 3529 |
| WA3006 | MS0328 | 140.6 | Separated | 1388 | 2 | 5/10/1990 7:00 | 1.5 | 5/10/1990 | 0.323 | 1365 |
| WA3007 | MS0301 | 367.2 | Separated | 3981 | 4 | 5/10/1990 7:00 | 2.7 | 5/10/1990 | 0.398 | 3920 |
| WA3008 | MS0340 | 421.1 | Separated | 3026 | 9 | 5/22/1991 11:00 | 4.3 | 5/10/1990 | 0.980 | 2987 |
| WA3009 | MS0303 | 1061.7 | Separated | 2064 | 9 | 5/10/1990 8:00 | 7.4 | 5/10/1990 | 0.894 | 2063 |
| WA3011A | WWTemp1 | 333.4 | Separated | 0 | 7 | 5/10/1990 8:00 | 4.7 | 5/10/1990 | 0.239 | 0 |
| WA3011B | WWTemp1 | 459.0 | Separated | 1792 | 10 | 5/10/1990 8:00 | 6.5 | 5/10/1990 | 0.369 | 1821 |
| WA3012 | MS0330 | 314.1 | Separated | 2116 | 8 | 5/10/1990 8:00 | 5.3 | 5/10/1990 | 0.648 | 2160 |
| WA3013 | MS0329 | 216.8 | Separated | 1845 | 2 | 4/20/1993 7:00 | 1.6 | 4/20/1993 | 0.468 | 1833 |
| WA3014 | MS0322 | 130.7 | Separated | 856 | 3 | 6/21/1997 8:00 | 1.6 | 5/10/1990 | 0.268 | 861 |
| WA3015 | WWTemp2 | 14.8 | Separated | 2 | 0 | 5/10/1990 8:00 | 0.2 | 5/10/1990 | 0.024 | 4 |
| WA3018 | WWTemp2 | 72.3 | Separated | 0 | 1 | 5/10/1990 8:00 | 0.9 | 5/10/1990 | 0.025 | 0 |
| WA3019 | MS0301 | 696.2 | Separated | 407 | 7 | 5/10/1990 8:00 | 4.7 | 5/10/1990 | 1.290 | 663 |
| WA3027 | MS0410 | 71.4 | Separated | 828 | 1 | 5/10/1990 7:00 | 0.4 | 5/10/1990 | 0.079 | 826 |
| WA3029 | WWTemp2 | 144.9 | Separated | 1252 | 2 | 5/10/1990 8:00 | 1.9 | 5/10/1990 | 0.170 | 1236 |
| WA3031 | MS0301 | 209.2 | Separated | 0 | 0 | 1/2/1988 7:00 | 0.0 | 1/2/1988 | 0.002 | 0 |
| WA3032 | MS0327 | 194.4 | Separated | 1340 | 2 | 5/10/1990 7:00 | 1.6 | 5/10/1990 | 0.334 | 1316 |
| WA3034 | MS0303 | 27.3 | Separated | 131 | 0 | 5/10/1990 8:00 | 0.2 | 5/10/1990 | 0.022 | 131 |
| WA3037A | MS0301 | 249.0 | Separated | 1121 | 8 | 5/10/1990 8:00 | 5.0 | 5/10/1990 | 0.275 | 1127 |
| WA3037B | WWTemp1 | 222.3 | Separated | 302 | 5 | 5/10/1990 7:00 | 3.2 | 5/10/1990 | 0.212 | 303 |
| WA3038 | MS0301 | 73.2 | Separated | 479 | 1 | 5/10/1990 7:00 | 0.4 | 5/10/1990 | 0.064 | 471 |
| WA3039 | MS0301 | 50.0 | Separated | 372 | 1 | 5/10/1990 7:00 | 0.7 | 5/10/1990 | 0.044 | 378 |
| WA4001 | MS0411 | 223.4 | Separated | 3340 | 9 | 5/10/1990 8:00 | 6.0 | 5/10/1990 | 0.613 | 3288 |
| WA4002 | MS0411 | 290.9 | Separated | 4925 | 12 | 5/10/1990 8:00 | 7.9 | 5/10/1990 | 0.854 | 4825 |
| WA4003 | MS0410 | 511.4 | Separated | 4749 | 8 | 5/10/1990 8:00 | 5.1 | 5/10/1990 | 1.086 | 4696 |
| WA4004 | MS0410 | 365.3 | Separated | 3016 | 6 | 5/10/1990 8:00 | 3.8 | 5/10/1990 | 0.817 | 3236 |
| WA4005 | MS0410 | 350.7 | Separated | 2638 | 6 | 5/10/1990 8:00 | 4.2 | 5/10/1990 | 0.639 | 2602 |
| WA4010 | MS0417 | 762.6 | Separated | 1595 | 18 | 5/22/1991 11:00 | 6.9 | 5/10/1990 | 2.148 | 2461 |
| WA4016 | MS0417 | 199.1 | Separated | 964 | 4 | 5/22/1991 11:00 | 1.5 | 5/10/1990 | 0.296 | 1010 |
| WA4033 | MS0103 | 16.3 | Separated | 209 | 0 | 6/21/1997 8:00 | 0.2 | 5/10/1990 | 0.040 | 205 |
| WA4035 | MS0411 | 157.5 | Separated | 1629 | 6 | 5/10/1990 8:00 | 4.2 | 5/10/1990 | 0.361 | 1603 |
| WA4036 | MS0410 | 109.0 | Separated | 728 | 2 | 5/10/1990 8:00 | 1.1 | 5/10/1990 | 0.207 | 715 |
| WE1018 | MS0118 | 149.1 | Separated | 1840 | 12 | 6/21/1997 8:00 | 6.0 | 5/10/1990 | 0.520 | 1835 |
| WE1032 | MS0117 | 167.7 | Separated | 2301 | 4 | 5/22/1991 11:00 | 1.1 | 6/21/1997 | 0.154 | 2295 |
| WE1034 | MS0103 | 65.7 | Separated | 1238 | 1 | 6/21/1997 8:00 | 0.8 | 5/10/1990 | 0.196 | 1235 |
| WE1040 | MS0103 | 87.3 | Separated | 1349 | 1 | 6/21/1997 8:00 | 1.1 | 5/10/1990 | 0.236 | 1348 |

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TABLE 5A-4 SHEET 10 OF 11

**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**

2020 TREATMENT REPORT

5/28/07 TR_5A.T004.07.05.28.cdr

| Name | Meter Basin | Area (acres) | Type | Current (2000) Population | Peak Inst. Flow (cfs) | Peak Inst. Flow Date | Peak Day Flow (cfs) | Peak Day Flow Date | Avg. Flow (cfs) | Revised Future (2020) Population |
|---|---|---|---|---|---|---|---|---|---|---|
| WE2001 | MS0235 | 184.9 | Separated | 1016 | 2 | 6/21/1997 8:00 | 1.1 | 5/10/1990 | 0.226 | 1014 |
| WE2002 | MS0203 | 136.3 | Separated | 2010 | 2 | 5/10/1990 8:00 | 1.2 | 5/10/1990 | 0.247 | 2107 |
| WE2003 | MS0203 | 140.7 | Separated | 303 | 2 | 5/10/1990 8:00 | 1.1 | 5/10/1990 | 0.065 | 378 |
| WE2004 | MS0212 | 493.0 | Separated | 2347 | 6 | 6/21/1997 8:00 | 4.0 | 5/10/1990 | 0.789 | 2409 |
| WE2006 | MS0212 | 371.2 | Separated | 3548 | 4 | 6/21/1997 8:00 | 3.1 | 5/10/1990 | 0.667 | 3550 |
| WE2030 | MS0213 | 14.7 | Separated | 56 | 0 | 5/10/1990 8:00 | 0.1 | 5/10/1990 | 0.013 | 75 |
| WE2041 | MS0205 | 16.4 | Separated | 0 | 0 | 5/10/1990 7:00 | 0.0 | 5/10/1990 | 0.002 | 15 |
| WE3005 | MS0320 | 429.7 | Separated | 2253 | 6 | 5/10/1990 8:00 | 4.0 | 5/10/1990 | 0.777 | 2286 |
| WE3007 | MS0320 | 284.2 | Separated | 165 | 4 | 5/10/1990 8:00 | 2.6 | 5/10/1990 | 0.438 | 728 |
| WE3008 | MS0320 | 167.5 | Separated | 1840 | 2 | 5/10/1990 8:00 | 1.5 | 5/10/1990 | 0.295 | 1840 |
| WE3009 | MS0319 | 146.8 | Separated | 1130 | 4 | 6/21/1997 8:00 | 2.0 | 5/10/1990 | 0.254 | 1152 |
| WE3010 | WWTemp2 | 386.8 | Separated | 1174 | 6 | 5/10/1990 8:00 | 5.1 | 5/10/1990 | 0.409 | 1176 |
| WE3011 | MS0337 | 219.7 | Separated | 1183 | 3 | 6/21/1997 8:00 | 2.2 | 5/10/1990 | 0.355 | 1271 |
| WE3012 | MS0321 | 134.6 | Separated | 2171 | 2 | 5/10/1990 7:00 | 1.4 | 5/10/1990 | 0.372 | 2244 |
| WE3013 | MS0309 | 209.2 | Separated | 3073 | 24 | 5/10/1990 8:00 | 20.2 | 5/10/1990 | 4.930 | 3212 |
| WE3014 | MS0317 | 181.2 | Separated | 1664 | 4 | 5/10/1990 8:00 | 3.7 | 5/10/1990 | 0.665 | 1669 |
| WE3015 | MS0314 | 191.9 | Separated | 1615 | 4 | 5/10/1990 7:00 | 2.6 | 5/10/1990 | 0.522 | 1611 |
| WE3016 | MS0305 | 290.0 | Separated | 2167 | 9 | 5/10/1990 8:00 | 6.3 | 5/10/1990 | 0.560 | 2201 |
| WE3017 | MS0316 | 100.2 | Separated | 814 | 8 | 5/22/1991 11:00 | 2.1 | 6/21/1997 | 0.319 | 813 |
| WE3022 | MS0323 | 240.7 | Separated | 2283 | 4 | 6/21/1997 8:00 | 2.5 | 5/10/1990 | 0.542 | 2284 |
| WE3025 | MS0103 | 143.6 | Separated | 0 | 2 | 6/21/1997 8:00 | 1.5 | 5/10/1990 | 0.155 | 0 |
| WE3028 | MS0318 | 183.8 | Separated | 2491 | 2 | 4/19/1993 21:00 | 1.6 | 4/20/1993 | 0.661 | 2516 |
| WE3029 | WWTemp2 | 300.2 | Separated | 0 | 0 | 5/10/1990 7:00 | 0.0 | 5/10/1990 | 0.010 | 61 |
| WE3031 | WWTemp2 | 193.9 | Separated | 1580 | 3 | 5/10/1990 8:00 | 2.6 | 5/10/1990 | 0.281 | 1624 |
| WE3033 | MS0103 | 140.9 | Separated | 1865 | 1 | 6/21/1997 7:00 | 1.0 | 4/20/1993 | 0.352 | 1891 |
| WE3036 | MS0103 | 113.1 | Separated | 1442 | 2 | 6/21/1997 8:00 | 1.3 | 5/10/1990 | 0.275 | 1480 |
| WE3037 | MS0103 | 29.5 | Separated | 242 | 0 | 6/21/1997 8:00 | 0.3 | 5/10/1990 | 0.069 | 254 |
| WE3038 | MS0320 | 177.7 | Separated | 1564 | 1 | 5/10/1990 7:00 | 0.7 | 5/10/1990 | 0.252 | 1575 |
| WE3039 | MS0318 | 145.9 | Separated | 2065 | 1 | 5/10/1990 7:00 | 0.7 | 5/10/1990 | 0.333 | 2121 |
| WE4023 | MS0415 | 331.3 | Separated | 4107 | 10 | 5/10/1990 8:00 | 7.0 | 5/10/1990 | 1.228 | 4451 |
| WE4026 | MS0416 | 71.9 | Separated | 0 | 2 | 5/10/1990 8:00 | 1.3 | 5/10/1990 | 0.260 | 76 |
| WE4035 | MS0103 | 108.9 | Separated | 856 | 2 | 6/21/1997 8:00 | 1.4 | 5/10/1990 | 0.326 | 1106 |
| CSSW002 | River | 11.7 | Combined | 0 | 14 | 5/22/1991 11:00 | 1.5 | 6/21/1997 | 0.015 | 0 |
| CSSW003 | River | 152.7 | Combined | 0 | 181 | 5/22/1991 11:00 | 19.4 | 6/21/1997 | 0.169 | 0 |
| CSSW004 | River | 17.9 | Combined | 0 | 29 | 5/22/1991 11:00 | 2.9 | 6/21/1997 | 0.051 | 0 |
| CSSW005 | River | 48.8 | Combined | 0 | 50 | 5/22/1991 11:00 | 5.6 | 6/21/1997 | 0.022 | 0 |
| CSSW006 | River | 68.4 | Combined | 166 | 81 | 5/22/1991 11:00 | 8.7 | 6/21/1997 | 0.079 | 198 |
| River | River | 167.0 | Combined | 0 | 282 | 5/22/1991 11:00 | 27.9 | 6/21/1997 | 0.533 | 0 |

NOTE:
All grayed sewershed are sewershed that discharge flow to rivers in the MMSD service area. River sewersheds are not served by either WWTP.

Preserving The Environment • Improving Water Quality

TABLE 5A-4 SHEET 11 OF 11
**REVISED 2020 BASELINE AVERAGE ANNUAL FLOW**
2020 TREATMENT REPORT
5/28/07 TR_5A.T004.07.05.28.cdr

Notes:
Simulation Start Date: 1/1/1988
Simulation End Date: 12/31/1997
Timestep: 3600 seconds
Simulation Condition: Revised Future 2020

**BOD & TSS LOADINGS**
**2004 Cost Recovery Procedures Manual**

Residential Unit Loads
BOD 0.176 lb/capita/day
TSS 0.21 lb/capita/day

Commerical Unit Loading
BOD 2.59 lb/1000 gal
TSS 3.09 lb/1000 gal

Industrial Unit Loading
BOD 2.59 lb/1000 gal
TSS 3.09 lb/1000 gal

I/I Unit Loading
BOD 0.2890 lb/1000 gal
TSS 1.1560 lb/1000 gal

Additional BSF
Res+Ind+Com+PtSource
8.2

SEWERSHEDS

| Name | Meter Basin | Area (acres)* | Type | Population # | Population Gen Rate (gpcd)# | Industrial Area (acres)* | Industrial Area WW Gen Rate (gpad)# | Commercial Area (acres)* | Commercial Area WW Gen Rate (gpad)# | Current Point Source Flow (gpd) | % Sewered* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BOTH TREATMENT PLANTS** | | | | | | | | | | | |
| BD5008 | M14906 | 10.7 | Separated | 29 | 45.5 | 0 | 1000 | 0 | 1000 | 0 | 100 |
| BD5012 | MS0532 | 76.6 | Separated | 1430 | 45.5 | 0 | 1000 | 2.6 | 1000 | 0 | 100 |
| BD5013 | MS0532 | 140.4 | Separated | 61.0 | 45.5 | 0 | 1000.0 | 49.1 | 1000 | 0 | 100 |
| CU6001 | MS0614 | 316.9 | Separated | 2063 | 35 | 34.1 | 913.75 | 34.6 | 250 | 0 | 100 |
| CU6002 | MS0614 | 188.6 | Separated | 1342 | 35 | 1.2 | 913.75 | 29.5 | 250 | 0 | 100 |
| CU9005 | MS0613 | 205.4 | Separated | 1750 | 50 | 28.5 | 1075 | 0.8 | 1500 | 0 | 100 |
| CU8007 | MS0614 | 153.4 | Separated | 663 | 35 | 50.5 | 913.75 | 8.8 | 250 | 0 | 100 |
| CU8008 | MS0101 | 248.3 | Separated | 1618 | 68 | 56.2 | 900 | 13.7 | 1500 | 0 | 100 |
| CU8009 | MS0617 | 173.2 | Separated | 684 | 70.56 | 19.2 | 900 | 2 | 1500 | 339885 | 100 |
| CU8010 | MS0618 | 229.5 | Separated | 2078 | 66.24 | 8 | 900 | 13.8 | 1500 | 310352.5 | 100 |
| CU6012 | MS0615 | 212.2 | Separated | 2271 | 61.2 | 37.8 | 913.75 | 23.4 | 1500 | 942075 | 100 |
| CU8013 | MS0101 | 141.1 | Separated | 1625 | 68 | 0 | 900 | 0 | 1500 | 0 | 100 |
| CU8014 | MS0101 | 57.7 | Separated | 664 | 68 | 0 | 900 | 0 | 1500 | 0 | 100 |
| CU8015 | MS0101 | 49.0 | Separated | 0 | 68 | 0 | 900 | 0 | 1500 | 0 | 0 |
| CU8019 | MS0617 | 222.2 | Separated | 0 | 70.56 | 0 | 900 | 0 | 1500 | 0 | 0 |
| FP9005 | MS0438 | 333.1 | Separated | 1296 | 90 | 0 | 1000 | 0 | 1500 | 0 | 100 |
| FP5006 | MS0436 | 311.5 | Separated | 1188 | 90 | 0 | 1000 | 4.6 | 1500 | 0 | 100 |
| FP5008 | MS0438 | 140.9 | Separated | 104 | 90 | 0 | 1000 | 0 | 1500 | 0 | 100 |
| GF6007 | MS0607 | 148.2 | Separated | 1569 | 60 | 0 | 1000 | 0.6 | 1500 | 0 | 100 |
| GF6008 | MS0608 | 102.1 | Separated | 895 | 37.5 | 0 | 1000 | 0 | 500 | 0 | 100 |
| GF6010 | MS0602 | 425.1 | Separated | 2162 | 38.25 | 7.9 | 913.75 | 16.8 | 500 | 0 | 100 |
| GF6015 | MS0602 | 64.3 | Separated | 968 | 38.25 | 0 | 913.75 | 2.9 | 500 | 0 | 100 |
| GF6019 | MS0102 | 13.0 | Separated | 80 | 68 | 0 | 900 | 3.9 | 1500 | 0 | 100 |
| GF6021 | MS0608 | 49.4 | Separated | 592 | 37.5 | 0 | 1000 | 0 | 500 | 0 | 100 |
| GL5028 | MS0509 | 40.3 | Separated | 115 | 90 | 0 | 1000 | 0 | 2500 | 0 | 100 |
| GL5030 | MS0531 | 30.4 | Separated | 129 | 72 | 0 | 1000 | 0.3 | 1500 | 0 | 100 |
| GL5032 | MS0438 | 13.2 | Separated | 70 | 90 | 0 | 1000 | 0 | 500 | 0 | 100 |
| GL5033 | MS0509 | 297.0 | Separated | 1594 | 90 | 0 | 1000 | 8 | 2500 | 0 | 100 |
| GL5050 | M14906 | 54.8 | Separated | 237 | 45.5 | 0 | 1000 | 0 | 1000 | 0 | 100 |
| GL5051 | MS0530 | 148.6 | Separated | 646 | 80 | 0 | 1000 | 8 | 1500 | 0 | 100 |
| GL5052 | MS0438 | 68.3 | Separated | 295 | 90 | 0 | 1000 | 15.9 | 1500 | 0 | 100 |
| ME5007 | MS0532 | 194.7 | Separated | 288 | 45.5 | 0 | 1000 | 0 | 1000 | 0 | 100 |
| MI5013 | MS0519 | 207.7 | Separated | 2693 | 60 | 0 | 1000 | 1.7 | 1500 | 0 | 100 |
| MI5015 | MS0520 | 156.6 | Separated | 1578 | 57.5 | 0 | 1000 | 13.08 | 1500 | 0 | 100 |
| MI5016 | MS0401-SS | 329.1 | Separated | 4331 | 67 | 0 | 1500 | 22.95 | 1500 | 0 | 100 |
| MI5017 | MS0518 | 215.8 | Separated | 2150 | 64.8 | 0 | 1000 | 8.46 | 1500 | 0 | 100 |
| MI5019 | MS0401-SS | 213.6 | Separated | 2370 | 67 | 0 | 1500 | 30.28 | 1500 | 0 | 100 |
| MI5020 | MS0517 | 178.8 | Separated | 2156 | 67.58 | 0 | 1000 | 8.23 | 1500 | 0 | 100 |
| MI5113 | M14906 | 371.3 | Separated | 0 | 45.5 | 0 | 1000 | 0 | 1000 | 0 | 0 |
| MI5146 | MS0401-SS | 38.8 | Separated | 485 | 67 | 0 | 1500 | 0.15 | 1500 | 0 | 100 |
| MI5147 | MS0521 | 193.7 | Separated | 1651 | 50.4 | 0 | 1000 | 23.56 | 1500 | 0 | 100 |
| MI6081 | MS0610 | 184.9 | Separated | 898 | 84.7 | 0 | 962.5 | 4.34 | 1500 | 0 | 100 |
| MI8069 | MS0610 | 519.2 | Separated | 1950 | 84.7 | 65 | 962.5 | 75.12 | 1500 | 0 | 100 |
| MI8090 | MS0610 | 236.5 | Separated | 1098 | 84.7 | 33.34 | 962.5 | 14.51 | 1500 | 0 | 100 |
| MI8091 | MS0611 | 207.0 | Separated | 2263 | 45 | 0 | 967.5 | 5.51 | 1500 | 0 | 100 |
| MI8092 | MS1002 | 175.9 | Separated | 1950 | 68 | 7.14 | 900 | 1.94 | 1500 | 0 | 100 |
| MI8093 | MS1002 | 430.5 | Separated | 4042 | 68 | 0 | 900 | 12.04 | 1500 | 0 | 100 |
| MI8098 | MS1002 | 363.6 | Separated | 2130 | 68 | 17.5 | 900 | 27.94 | 1500 | 0 | 100 |
| MI8099 | MS0608 | 402.6 | Separated | 4547 | 37.5 | 0 | 1000 | 25.75 | 500 | 0 | 100 |
| MI8104 | MS0602 | 239.7 | Separated | 3158 | 38.25 | 1.73 | 913.75 | 68.04 | 500 | 0 | 100 |
| MI8105 | MS1002 | 269.2 | Separated | 1772 | 68 | 25.71 | 900 | 6.34 | 1500 | 424885 | 100 |
| MI8106 | MS1002 | 537.6 | Separated | 6433 | 68 | 16.3 | 900 | 27.41 | 1500 | 118900 | 100 |
| MI8110 | MS1002 | 65.6 | Separated | 720 | 68 | 0.38 | 900 | 0.08 | 1500 | 0 | 100 |
| MI8127 | MS0607 | 33.7 | Separated | 274 | 60 | 0 | 1000 | 0 | 1500 | 0 | 100 |
| MI8129 | MS0607 | 15.8 | Separated | 195 | 60 | 0 | 1000 | 0 | 1500 | 0 | 100 |
| MI8148 | MS1002 | 119.0 | Separated | 1446 | 68 | 0 | 900 | 8.93 | 1500 | 0 | 100 |
| MI8179 | MS0613 | 56.7 | Separated | 0 | 50 | 0 | 1075 | 0 | 1500 | 0 | 0 |
| RH5001 | MS0532 | 1152.7 | Separated | 374 | 45.5 | 0 | 1000 | 0 | 1000 | 0 | 100 |
| RH5002 | MS0531 | 645.5 | Separated | 271 | 72 | 0 | 1000 | 0 | 1500 | 0 | 100 |
| RH5005 | MS0509 | 370.4 | Separated | 144 | 90 | 0 | 1000 | 0 | 2500 | 0 | 100 |
| RH5007 | M14906 | 335.7 | Separated | 125 | 45.5 | 0 | 1000 | 0 | 1000 | 0 | 100 |
| SF6004 | MS0102 | 120.5 | Separated | 1189 | 68 | 3.8 | 900 | 8.1 | 1500 | 0 | 100 |
| SF6005 | MS1002 | 224.5 | Separated | 1198 | 68 | 6.3 | 900 | 10.7 | 1500 | 0 | 100 |
| SF6007 | MS0611 | 56.8 | Separated | 354 | 45 | 8.3 | 967.5 | 1.9 | 1500 | 0 | 100 |
| SF6008 | MS0610 | 50.3 | Separated | 596 | 84.7 | 2.5 | 962.5 | 5 | 1500 | 0 | 100 |
| SF6009 | MS1002 | 74.8 | Separated | 556 | 68 | 13.7 | 900 | 0.5 | 1500 | 0 | 100 |
| SF6010 | MS0101 | 99.8 | Separated | 769 | 68 | 4.2 | 900 | 24.7 | 1500 | 0 | 100 |
| SF6011 | MS0101 | 110.6 | Separated | 0 | 68 | 0 | 900 | 0 | 1500 | 0 | 0 |
| SF6013 | MS0612 | 98.4 | Separated | 436 | 85 | 10.8 | 1021.25 | 2.2 | 1500 | 0 | 100 |
| SF6014 | MS1002 | 73.3 | Separated | 0 | 68 | 0 | 900 | 0 | 1500 | 0 | 0 |
| WE6020 | MS0609 | 167.7 | Separated | 2129 | 74.4 | 2.7 | 999.75 | 7.5 | 1500 | 0 | 100 |
| WM6004 | MS1002 | 154.4 | Separated | 15 | 68 | 120.2 | 900 | 2.5 | 1500 | 1608465 | 100 |
| **JIWWTP** | | | | | | | | | | | |
| CS5073#1 | MS0505-CS | 88.2 | Combined | 750 | 90 | 0 | 1500 | 0.59 | 1500 | 0 | 100 |
| CS5073#2 | MS0505-CS | 304.3 | Combined | 4667 | 90 | 0 | 1500 | 12 | 1500 | 0 | 100 |
| CS5074A1 | MS0505-CS | 62.3 | Combined | 1697 | 90 | 0 | 1500 | 1.27 | 1500 | 0 | 100 |
| CS5074A2 | MS0505-CS | 80.6 | Combined | 2437 | 90 | 0 | 1500 | 0 | 1500 | 116447 | 100 |
| CS5134#1 | MS0504-CS | 396.1 | Combined | 3552 | 68 | 93.77 | 1410 | 43.04 | 2000 | 0 | 100 |
| CS5134#2 | MS0504-CS | 100.8 | Combined | 2006 | 68 | 0 | 1410 | 5.13 | 2000 | 0 | 100 |
| CS5135#1 | JIWWTP-CS_high | 85.9 | Combined | 1263 | 68 | 0.88 | 1410 | 1.26 | 2000 | 0 | 100 |
| CS5135A1 | JIWWTP-CS_high | 58.2 | Combined | 1027 | 68 | 2.28 | 1410 | 4.03 | 2000 | 0 | 100 |
| CS5135A2 | JIWWTP-CS_high | 9.5 | Combined | 0 | 68 | 7.26 | 1410 | 0.09 | 2000 | 0 | 100 |
| CS5135A3 | JIWWTP-CS_high | 104.8 | Combined | 1987 | 68 | 3.78 | 1410 | 8.49 | 2000 | 0 | 100 |
| CS5139#1 | JIWWTP-CS_high | 380.7 | Combined | 6114 | 68 | 0 | 1410 | 6.52 | 2000 | 0 | 100 |
| CS5137#1 | JIWWTP-CS_high | 28.4 | Combined | 334 | 68 | 2.34 | 1410 | 1.93 | 2000 | 0 | 100 |

CURRENT (2000) CONDITION

| Name | Meter Basin | Res BSF gpd | Res BOD gpd | lb/d | Res TSS gpd | lb/d | Ind BSF gpd | Ind BOD gpd | lb/d | Ind TSS gpd | lb/d | Com BSF gpd | Com BOD gpd | lb/d | Com TSS gpd | lb/d | Current Total BSF gpd | Current Total BOD gpd | lb/d | Current Total BS TSS gpd | lb/d | I/I Flow gpd | I/I BOD lb/d | I/I TSS lb/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BOTH TREATMENT PLANTS** | | | | | | | | | | | | | | | | | | | | | | | | |
| BD5008 | M14906 | 1274 | 4.928 | 5.88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2600 | 7 | 8 | 67665 | 258 | 308 | 14139 | 4 | 16 | 0 | 0 | 0 | 0 |
| BD5012 | MS0532 | 65065 | 251.65 | 300.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49100 | 127 | 152 | 51878 | 138 | 164 | 25906 | 7 | 30 | 0 | 0 | 0 | 0 |
| BD5013 | MS0532 | 2775.5 | 10.738 | 12.81 | 0 | 0 | 0 | 0 | 0 | 49100 | 127 | 152 | 51878 | 138 | 164 | 25906 | 7 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU6001 | MS0614 | 72026 | 363.988 | 433.23 | 31159 | 81 | 96 | 8650 | 22 | 27 | 112014 | 406 | 556 | 96887 | 29 | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU6002 | MS0614 | 46970 | 238.192 | 281.82 | 1097 | 3 | 3 | 6375 | 18 | 20 | 54442 | 256 | 308 | 58825 | 17 | 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU9005 | MS0613 | 87500 | 308 | 367.5 | 30638 | 79 | 95 | 1200 | 3 | 4 | 118538 | 390 | 466 | 43896 | 13 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU8007 | MS0614 | 23205 | 115.686 | 139.23 | 46144 | 119 | 142 | 1700 | 4 | 5 | 71040 | 240 | 287 | 47843 | 14 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU8008 | MS0101 | 110024 | 284.768 | 339.78 | 50580 | 131 | 156 | 20550 | 53 | 63 | 181154 | 469 | 559 | 154603 | 45 | 179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU8009 | MS0617 | 48263.04 | 120.384 | 143.64 | 17280 | 45 | 53 | 3000 | 8 | 9 | 408238 | 173 | 206 | 395902 | 114 | 458 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU8010 | MS0618 | 197130.24 | 521.776 | 624.96 | 7200 | 19 | 22 | 20850 | 54 | 64 | 535533 | 596 | 712 | 171347 | 50 | 198 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU6012 | MS0615 | 138985.2 | 399.696 | 478.91 | 34540 | 89 | 107 | 35100 | 91 | 108 | 1150700 | 580 | 692 | 57813 | 17 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU8013 | MS0101 | 110500 | 286 | 341.25 | 0 | 0 | 0 | 0 | 0 | 0 | 110500 | 286 | 341 | 70048 | 20 | 81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU8014 | MS0101 | 45152 | 116.884 | 139.44 | 0 | 0 | 0 | 0 | 0 | 0 | 45152 | 117 | 139 | 28667 | 8 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU8015 | MS0101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CU8019 | MS0617 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FP9005 | MS0438 | 116820 | 228.448 | 272.58 | 0 | 0 | 0 | 0 | 0 | 0 | 116820 | 228 | 273 | 170127 | 49 | 197 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FP5006 | MS0436 | 106740 | 208.736 | 249.08 | 0 | 0 | 0 | 6900 | 18 | 21 | 113640 | 227 | 270 | 169081 | 48 | 184 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FP5008 | MS0438 | 9360 | 18.304 | 21.84 | 0 | 0 | 0 | 0 | 0 | 0 | 9360 | 18 | 22 | 71945 | 21 | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GF6007 | MS0607 | 94140 | 215.144 | 329.49 | 0 | 0 | 0 | 900 | 2 | 3 | 95040 | 278 | 332 | 64273 | 19 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GF6008 | MS0608 | 33652 | 157.52 | 187.95 | 0 | 0 | 0 | 3000 | 8 | 9 | 36652 | 165 | 197 | 93968 | 27 | 109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GF6010 | MS0602 | 82698.5 | 380.512 | 454.02 | 7219 | 19 | 22 | 9400 | 22 | 26 | 98315 | 421 | 502 | 242553 | 70 | 280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GF6015 | MS0602 | 33201 | 152.788 | 182.28 | 0 | 0 | 0 | 1650 | 4 | 4 | 34851 | 157 | 187 | 36964 | 11 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GF6019 | MS0102 | 5440 | 14.08 | 16.8 | 0 | 0 | 0 | 5850 | 15 | 18 | 11290 | 29 | 35 | 8889 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GF6021 | MS0608 | 22259.2 | 104.192 | 124.32 | 0 | 0 | 0 | 0 | 0 | 0 | 22259 | 104 | 124 | 45431 | 13 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GL5028 | MS0509 | 10350 | 20.24 | 24.15 | 0 | 0 | 0 | 0 | 0 | 0 | 10350 | 20 | 24 | 42093 | 12 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GL5030 | MS0531 | 9072 | 22.176 | 26.46 | 0 | 0 | 0 | 450 | 1 | 1 | 9522 | 23 | 28 | 7416 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GL5032 | MS0438 | 6300 | 12.32 | 14.7 | 0 | 0 | 0 | 0 | 0 | 0 | 6300 | 12 | 15 | 6738 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GL5033 | MS0509 | 140760 | 275.264 | 328.44 | 0 | 0 | 0 | 15000 | 39 | 46 | 155760 | 314 | 375 | 308668 | 90 | 358 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GL5050 | M14906 | 10783.5 | 41.712 | 49.77 | 0 | 0 | 0 | 0 | 0 | 0 | 10784 | 42 | 50 | 20365 | 6 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GL5051 | MS0530 | 51600 | 113.52 | 135.45 | 0 | 0 | 0 | 12000 | 31 | 37 | 63600 | 145 | 172 | 62296 | 24 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GL5052 | MS0438 | 23850 | 46.64 | 55.65 | 0 | 0 | 0 | 23850 | 62 | 74 | 47700 | 109 | 129 | 34898 | 10 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ME5007 | MS0532 | 13104 | 50.688 | 60.48 | 0 | 0 | 0 | 0 | 0 | 0 | 13104 | 51 | 60 | 35918 | 10 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI5013 | MS0519 | 181580 | 473.988 | 565.53 | 0 | 0 | 0 | 2690 | 7 | 8 | 184130 | 481 | 573 | 123446 | 38 | 143 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI5015 | MS0520 | 90892.8 | 277.728 | 331.38 | 0 | 0 | 0 | 19650 | 51 | 61 | 110538 | 328 | 392 | 67820 | 20 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI5016 | MS0401-SS | 290177 | 762.256 | 909.51 | 0 | 0 | 0 | 34425 | 89 | 106 | 324602 | 851 | 1016 | 227932 | 66 | 263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI5017 | MS0518 | 215.8 | 564.8 | 673.6 | 0 | 0 | 0 | 12699 | 33 | 39 | 152658 | 413 | 493 | 171716 | 50 | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI5019 | MS0401-SS | 213.6 | 557.5 | 665.1 | 0 | 0 | 0 | 30525 | 79 | 94 | 189315 | 496 | 592 | 147915 | 43 | 171 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI5020 | MS0517 | 178.8 | 467.58 | 557.8 | 0 | 0 | 0 | 12345 | 32 | 38 | 159263 | 411 | 491 | 175828 | 51 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI5113 | M14906 | 371.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI5146 | MS0401-SS | 38.8 | 101.55 | 121.65 | 0 | 0 | 0 | 225 | 1 | 1 | 32720 | 86 | 103 | 26880 | 8 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI5147 | MS0521 | 193.7 | 50.4 | 60.5 | 0 | 0 | 0 | 35340 | 91 | 109 | 118550 | 382 | 458 | 180340 | 52 | 208 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI6081 | MS0610 | 184.9 | 84.7 | 0 | 962.5 | 4.34 | 1500 | 0 | 0 | 0 | 6510 | 17 | 20 | 82571 | 179 | 209 | 68771 | 20 | 80 | 0 | 0 | 0 | 0 | 0 |
| MI8069 | MS0610 | 519.2 | 84.7 | 65 | 962.5 | 75.12 | 1500 | 0 | 0 | 0 | 165165 | 343.2 | 409.5 | 62563 | 162 | 193 | 112660 | 291 | 348 | 340408 | 798 | 950 | 193114 | 56 | 223 |
| MI8090 | MS0610 | 236.5 | 84.7 | 33.34 | 962.5 | 14.51 | 1500 | 0 | 0 | 0 | 93000.6 | 193.248 | 230.58 | 33090 | 83 | 99 | 21765 | 56 | 67 | 146855 | 332 | 397 | 67959 | 25 | 102 |
| MI8091 | MS0611 | 207.0 | 45 | 0 | 967.5 | 5.51 | 1500 | 0 | 0 | 0 | 103185 | 403.568 | 481.53 | 0 | 0 | 0 | 8265 | 21 | 26 | 111450 | 425 | 507 | 110957 | 32 | 128 |
| MI8092 | MS1002 | 175.9 | 68 | 7.14 | 900 | 1.94 | 1500 | 0 | 0 | 0 | 132600 | 343.2 | 409.5 | 6426 | 17 | 20 | 2910 | 8 | 9 | 141936 | 367 | 438 | 88549 | 28 | 102 |
| MI8093 | MS1002 | 430.5 | 68 | 0 | 900 | 12.04 | 1500 | 0 | 0 | 0 | 274856 | 711.392 | 848.82 | 0 | 0 | 0 | 18090 | 47 | 56 | 292915 | 758 | 905 | 216744 | 63 | 251 |
| MI8098 | MS1002 | 363.6 | 68 | 17.5 | 900 | 27.94 | 1500 | 0 | 0 | 0 | 144840 | 374.88 | 447.3 | 10760 | 41 | 49 | 41910 | 108 | 129 | 202500 | 524 | 625 | 273966 | 79 | 317 |
| MI8099 | MS0608 | 402.6 | 37.5 | 0 | 1000 | 25.75 | 500 | 0 | 0 | 0 | 170967.2 | 800.272 | 954.87 | 0 | 0 | 0 | 12875 | 33 | 40 | 183842 | 834 | 995 | 370449 | 107 | 428 |
| MI8104 | MS0602 | 239.7 | 38.25 | 1.73 | 913.75 | 68.04 | 500 | 0 | 0 | 0 | 120793.5 | 555.808 | 663.18 | 1581 | 4 | 5 | 34020 | 88 | 105 | 156394 | 648 | 773 | 136761 | 40 | 158 |
| MI8105 | MS1002 | 269.2 | 68 | 25.71 | 900 | 6.34 | 1500 | 424885 | 100 | 0 | 120456 | 311.872 | 372.12 | 23139 | 60 | 71 | 14618 | 36 | 43 | 580530 | 408 | 487 | 178550 | 52 | 208 |
| MI8106 | MS1002 | 537.6 | 68 | 16.3 | 900 | 27.41 | 1500 | 118900 | 100 | 0 | 437444 | 1132.208 | 1350.93 | 14670 | 38 | 45 | 41115 | 106 | 127 | 612129 | 1276 | 1523 | 358611 | 104 | 415 |
| MI8110 | MS1002 | 65.6 | 68 | 0.38 | 900 | 0.08 | 1500 | 0 | 0 | 0 | 48950 | 126.72 | 151.2 | 342 | 1 | 1 | 120 | 0 | 0 | 49422 | 128 | 153 | 33025 | 10 | 38 |
| MI8127 | MS0607 | 33.7 | 60 | 0 | 1000 | 0 | 1500 | 0 | 0 | 0 | 16440 | 48.324 | 57.54 | 0 | 0 | 0 | 0 | 0 | 0 | 16440 | 48 | 58 | 14597 | 4 | 17 |
| MI8129 | MS0607 | 15.8 | 60 | 0 | 1000 | 0 | 1500 | 0 | 0 | 0 | 11700 | 34.32 | 40.95 | 0 | 0 | 0 | 0 | 0 | 0 | 11700 | 34 | 41 | 6844 | 2 | 8 |
| MI8148 | MS1002 | 119.0 | 68 | 0 | 900 | 8.93 | 1500 | 0 | 0 | 0 | 98328 | 254.496 | 303.66 | 0 | 0 | 0 | 13395 | 35 | 41 | 111723 | 289 | 345 | 79385 | 23 | 92 |
| MI8179 | MS0613 | 56.7 | 50 | 0 | 1075 | 0 | 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RH5001 | MS0532 | 1152.7 | 374 | 45.5 | 0 | 1000 | 0 | 1000 | 0 | 0 | 17017 | 65.824 | 78.54 | 0 | 0 | 0 | 0 | 0 | 0 | 17017 | 66 | 79 | 212695 | 61 | 246 |
| RH5002 | MS0531 | 645.5 | 271 | 72 | 0 | 1000 | 0 | 1500 | 0 | 0 | 19512 | 47.696 | 56.91 | 0 | 0 | 0 | 0 | 0 | 0 | 19512 | 48 | 57 | 157656 | 46 | 182 |
| RH5005 | MS0509 | 370.4 | 144 | 90 | 0 | 1000 | 0 | 2500 | 0 | 0 | 12960 | 25.344 | 30.24 | 0 | 0 | 0 | 0 | 0 | 0 | 12960 | 25 | 30 | 386543 | 113 | 447 |
| RH5007 | M14906 | 335.7 | 125 | 45.5 | 0 | 1000 | 0 | 1000 | 0 | 0 | 5687.5 | 22 | 26.25 | 0 | 0 | 0 | 0 | 0 | 0 | 5688 | 22 | 26 | 124852 | 38 | 144 |
| SF6004 | MS0102 | 120.5 | 1189 | 68 | 3.8 | 900 | 8.1 | 1500 | 0 | 0 | 80652 | 200.264 | 249.69 | 3420 | 9 | 11 | 9150 | 24 | 28 | 93422 | 242 | 288 | 60656 | 18 | 70 |
| SF6005 | MS1002 | 224.5 | 1198 | 68 | 6.3 | 900 | 10.7 | 1500 | 0 | 0 | 81464 | 210.848 | 251.58 | 5580 | 14 | 17 | 16050 | 41 | 50 | 103094 | 267 | 318 | 113054 | 33 | 131 |
| SF6007 | MS0611 | 56.8 | 354 | 45 | 8.3 | 967.5 | 1.9 | 1500 | 0 | 0 | 19930 | 62.304 | 74.34 | 8030 | 21 | 25 | 2850 | 7 | 9 | 26810 | 90 | 108 | 30423 | 9 | 35 |
| SF6008 | MS0610 | 50.3 | 596 | 84.7 | 2.5 | 962.5 | 5 | 1500 | 0 | 0 | 50481.2 | 104.896 | 125.19 | 2926 | 8 | 7 | 7500 | 19 | 23 | 60387 | 131 | 156 | 18722 | 5 | 22 |
| SF6009 | MS1002 | 74.8 | 556 | 68 | 13.7 | 900 | 0.5 | 1500 | 0 | 0 | 37808 | 97.856 | 116.76 | 12330 | 32 | 38 | 750 | 2 | 2 | 50888 | 132 | 157 | 37943 | 11 | 44 |
| SF6010 | MS0101 | 99.8 | 769 | 68 | 4.2 | 900 | 24.7 | 1500 | 0 | 0 | 52292 | 135.344 | 161.49 | 3780 | 10 | 12 | 37050 | 96 | 114 | 93122 | 241 | 287 | 62069 | 18 | 72 |
| SF6011 | MS0101 | 110.6 | 0 | 68 | 0 | 900 | 0 | 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SF6013 | MS0612 | 98.4 | 436 | 85 | 10.8 | 1021.25 | 2.2 | 1500 | 0 | 0 | 41420 | 76.736 | 91.56 | 17187 | 44 | 53 | 3300 | 9 | 10 | 61877 | 130 | 155 | 108043 | 31 | 125 |
| SF6014 | MS1002 | 73.3 | 0 | 68 | 0 | 900 | 0 | 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WE6020 | MS0609 | 167.7 | 2129 | 74.4 | 2.7 | 999.75 | 7.5 | 1500 | 0 | 0 | 158174.4 | 374.176 | 446.46 | 2999 | 7 | 8 | 11250 | 29 | 35 | 172124 | 410 | 490 | 164188 | 53 | 215 |
| WM6004 | MS1002 | 154.4 | 15 | 68 | 120.2 | 900 | 2.5 | 1500 | 1608465 | 100 | 1020 | 2.64 | 3.15 | 108180 | 280 | 334 | 3750 | 10 | 12 | 1721415 | 292 | 349 | 116300 | 34 | 135 |
| **JIWWTP** | | | | | | | | | | | | | | | | | | | | | | | | | |
| CS5073#1 | MS0505-CS | 67500 | 132 | 157.5 | 0 | 0 | 0 | 885 | 2 | 3 | 68385 | 134 | 160 | 164973 | 48 | 191 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CS5073#2 | MS0505-CS | 420030 | 821.392 | 980.07 | 0 | 0 | 0 | 18000 | 47 | 56 | 438030 | 868 | 1036 | 677524 | 199 | 783 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CS5074A1 | MS0505-CS | 152730 | 298.872 | 356.37 | 0 | 0 | 0 | 1905 | 5 | 6 | 154635 | 304 | 362 | 138275 | 40 | 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CS5074A2 | MS0505-CS | 219030 | 428.912 | 511.77 | 0 | 0 | 0 | 0 | 0 | 0 | 335777 | 429 | 512 | 156048 | 46 | 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CS5134#1 | MS0504-CS | 241536 | 625.152 | 745.62 | 132216 | 342 | 408 | 86080 | 223 | 266 | 459832 | 1190 | 1420 | 860816 | 249 | 995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CS5134#2 | MS0504-CS | 136944 | 353.408 | 421.68 | 0 | 0 | 0 | 10269 | 27 | 32 | 146904 | 380 | 453 | 217323 | 63 | 251 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CS5135#1 | JIWWTP-CS_high | 85.9 | 222.388 | 265.23 | 569 | 2 | 3 | 2520 | 7 | 8 | 89063 | 231 | 276 | 165282 | 48 | 191 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CS5135A1 | JIWWTP-CS_high | 58.2 | 150.696 | 179.76 | 3215 | 8 | 10 | 6060 | 21 | 25 | 61111 | 210 | 250 | 119736 | 35 | 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CS5135A2 | JIWWTP-CS_high | 9.5 | 0 | 0 | 0 | 0 | 10237 | 26 | 32 | 180 | 0 | 1 | 1 | 10417 | 27 | 32 | 21486 | 6 | 25 | 0 | 0 | 0 | 0 | 0 |
| CS5135A3 | JIWWTP-CS_high | 104.8 | 1987 | 68 | 3.78 | 1410 | 8.49 | 2000 | 0 | 0 | 135118 | 349.712 | 417.27 | 5335 | 14 | 16 | 16980 | 44 | 52 | 157426 | 407 | 486 | 211931 | 63 | 252 |
| CS5139#1 | JIWWTP-CS_high | 380.7 | 6114 | 68 | 0 | 1410 | 6.52 | 2000 | 0 | 0 | 415752 | 1076.064 | 1283.94 | 0 | 0 | 0 | 13040 | 34 | 40 | 428792 | 1110 | 1324 | 773356 | 224 | 894 |
| CS5137#1 | JIWWTP-CS_high | 28.4 |

| | | | | |
|---|---|---|---|---|
| CS5139#1 | JIWWTP-CS_high | 33.6 | Combined | 680 |
| CS5140#1 | JIWWTP-CS_high | 112.5 | Combined | 1735 |
| CS5141#1 | JIWWTP-CS_high | 72.5 | Combined | 1229 |
| CS5141#2 | JIWWTP-CS_high | 7.1 | Combined | 498 |
| CS5142A1 | JIWWTP-CS_high | 127.6 | Combined | 6542 |
| CS5144#1 | JIWWTP-CS_high | 19.2 | Combined | 730 |
| CS5145#1 | JIWWTP-CS_high | 17.6 | Combined | 1277 |
| CS5146#1 | JIWWTP-CS_high | 32.8 | Combined | 1676 |
| CS5147#1 | JIWWTP-CS_high | 10.6 | Combined | 156 |
| CS5147#2 | JIWWTP-CS_high | 13.0 | Combined | 450 |
| CS5148#1 | JIWWTP-CS_high | 12.1 | Combined | 386 |
| CS5193#1 | MS0501-CS | 1555.9 | Combined | 30218 |
| CS5193#2 | MS0501-CS | 19.2 | Combined | 273 |
| CS5193#3 | MS0501-CS | 42.5 | Combined | 719 |
| CS5193#4 | MS0501-CS | 128.8 | Combined | 3154 |
| CS5193#5 | MS0501-CS | 108.7 | Combined | 1309 |
| CS5195#1 | MS0501-CS | 1340.9 | Combined | 24263 |
| CS5196A1 | MS0501-CS | 374.6 | Combined | 10132 |
| CS5197A1 | JIWWTP-CS_high | 44.2 | Combined | 1086 |
| CS5198#1 | JIWWTP-CS_high | 273.1 | Combined | 4114 |
| CS5199#1 | JIWWTP-CS_high | 39.6 | Combined | 593 |
| CS5200#1 | JIWWTP-CS_high | 103.2 | Combined | 855 |
| CS5200A1 | JIWWTP-CS_high | 216.6 | Combined | 3893 |
| CS5200A2 | JIWWTP-CS_high | 150.9 | Combined | 1877 |
| CS5201#1 | JIWWTP-CS_high | 35.2 | Combined | 459 |
| CS5201A1 | JIWWTP-CS_high | 182.5 | Combined | 1217 |
| CS5205#1 | JIWWTP-CS_high | 4.2 | Combined | 0 |
| CS5206#1 | JIWWTP-CS_high | 5.4 | Combined | 0 |
| CS5228#1 | JIWWTP-CS_high | 193.6 | Combined | 5759 |
| CS5372A1 | MS0501-CS | 78.3 | Combined | 1232 |
| CS5372A2 | MS0501-CS | 79.7 | Combined | 116 |
| CS5372A3 | MS0501-CS | 10.0 | Combined | 51 |
| CS5500#1 | MS0504-CS | 36.0 | Combined | 372 |
| CS6328#1 | JIWWTP-CS_high | 9.9 | Combined | 178 |
| CS6330#1 | JIWWTP-CS_high | 31.1 | Combined | 126 |
| CS6357#1 | JIWWTP-CS_high | 136.6 | Combined | 4521 |
| CS6358#1 | JIWWTP-CS_high | 18.0 | Combined | 727 |
| CS6358#2 | JIWWTP-CS_high | 76.1 | Combined | 2103 |
| CS6359#1 | JIWWTP-CS_high | 63.1 | Combined | 1615 |
| CS6359#2 | JIWWTP-CS_high | 58.2 | Combined | 26 |
| CS6360#1 | JIWWTP-CS_high | 88.7 | Combined | 2848 |
| CS6361#1 | JIWWTP-CS_high | 46.5 | Combined | 1371 |
| CS6362#1 | JIWWTP-CS_high | 18.4 | Combined | 682 |
| CS6363#1 | JIWWTP-CS_high | 291.8 | Combined | 10775 |
| CS6363#2 | JIWWTP-CS_high | 30.7 | Combined | 1052 |
| CS6364#1 | JIWWTP-CS_high | 84.1 | Combined | 2200 |
| CS6366#1 | JIWWTP-CS_high | 43.0 | Combined | 1445 |
| CS6366#2 | JIWWTP-CS_high | 42.5 | Combined | 759 |
| CS6366#3 | JIWWTP-CS_high | 17.9 | Combined | 616 |
| CS6366#4 | JIWWTP-CS_high | 21.7 | Combined | 787 |
| CS6368A1 | JIWWTP-CS_high | 245.5 | Combined | 4540 |
| CS6369#1 | JIWWTP-CS_high | 25.2 | Combined | 61 |
| CS7207#1 | JIWWTP-CS_low | 118.0 | Combined | 601 |
| CS7207#2 | JIWWTP-CS_low | 242.3 | Combined | 5531 |
| CS7208#1 | JIWWTP-CS_low | 508.2 | Combined | 12314 |
| CS7209#1 | JIWWTP-CS_low | 48.6 | Combined | 696 |
| CS7209#2 | JIWWTP-CS_low | 10.6 | Combined | 339 |
| CS7210#1 | JIWWTP-CS_low | 15.7 | Combined | 54 |
| CS7211#1 | JIWWTP-CS_low | 111.4 | Combined | 535 |
| CS7212#1 | JIWWTP-CS_low | 5.7 | Combined | 0 |
| CS7213#1 | JIWWTP-CS_low | 122.6 | Combined | 1211 |
| CS7214A1 | JIWWTP-CS_low | 5.0 | Combined | 0 |
| CS7215#1 | JIWWTP-CS_low | 25.7 | Combined | 4 |
| CS7215#2 | JIWWTP-CS_low | 39.9 | Combined | 0 |
| CS7216#1 | JIWWTP-CS_low | 105.4 | Combined | 861 |
| CS7217#1 | JIWWTP-CS_low | 70.3 | Combined | 1819 |
| CS7218#1 | JIWWTP-CS_low | 108.4 | Combined | 1682 |
| CS7219A1 | JIWWTP-CS_low | 2.4 | Combined | 21 |
| CS7220#1 | JIWWTP-CS_low | 17.5 | Combined | 36 |
| CS7221#1 | JIWWTP-CS_low | 8.2 | Combined | 71 |
| CS7222#1 | JIWWTP-CS_low | 6.7 | Combined | 0 |
| CS7223#1 | JIWWTP-CS_low | 32.0 | Combined | 0 |
| CS7224#1 | JIWWTP-CS_low | 11.4 | Combined | 0 |
| CS7225#1 | JIWWTP-CS_low | 24.6 | Combined | 1 |
| CS7227#1 | JIWWTP-CS_low | 41.1 | Combined | 64 |
| CS7227#2 | JIWWTP-CS_low | 14.2 | Combined | 0 |
| CS7228A1 | JIWWTP-CS_low | 26.5 | Combined | 869 |
| CS7230#1 | JIWWTP-CS_low | 37.4 | Combined | 1042 |
| CS7231#1 | JIWWTP-CS_low | 12.3 | Combined | 48 |
| CS7232#1 | JIWWTP-CS_low | 48.3 | Combined | 767 |
| CS7233#1 | JIWWTP-CS_low | 38.0 | Combined | 595 |
| CS7234#1 | JIWWTP-CS_low | 6.4 | Combined | 0 |
| CS7234A1 | JIWWTP-CS_low | 69.7 | Combined | 2260 |
| CS7235#1 | JIWWTP-CS_low | 24.6 | Combined | 101 |
| CS7236#1 | JIWWTP-CS_low | 15.1 | Combined | 153 |
| CS7237#1 | JIWWTP-CS_low | 6.7 | Combined | 292 |
| CS7238A1 | JIWWTP-CS_low | 23.3 | Combined | 0 |
| CS7239#1 | JIWWTP-CS_low | 2.9 | Combined | 1 |
| CS7239A1 | JIWWTP-CS_low | 3.8 | Combined | 0 |
| CS7239B1 | JIWWTP-CS_low | 4.0 | Combined | 0 |
| CS7240#1 | JIWWTP-CS_low | 14.2 | Combined | 195 |
| CS7241#1 | JIWWTP-CS_low | 6.0 | Combined | 0 |
| CS7242#1 | JIWWTP-CS_low | 23.7 | Combined | 19 |
| CS7243#1 | JIWWTP-CS_low | 80.2 | Combined | 48 |
| CS7244#1 | JIWWTP-CS_low | 18.0 | Combined | 64 |
| CS7245#1 | JIWWTP-CS_low | 13.0 | Combined | 217 |
| CS7246#1 | JIWWTP-CS_low | 36.7 | Combined | 204 |
| CS7247#1 | JIWWTP-CS_low | 14.8 | Combined | 5 |
| CS7248A1 | JIWWTP-CS_low | 42.0 | Combined | 0 |
| CS7325#1 | JIWWTP-CS_low | 617.9 | Combined | 17149 |
| CS7327#1 | JIWWTP-CS_low | 115.8 | Combined | 1542 |
| CS7331#1 | JIWWTP-CS_low | 35.2 | Combined | 572 |
| CS7335#1 | JIWWTP-CS_low | 13.4 | Combined | 262 |
| CS7336#1 | JIWWTP-CS_low | 12.5 | Combined | 246 |
| CS7337#1 | JIWWTP-CS_low | 370.0 | Combined | 5899 |
| CS7338#1 | JIWWTP-CS_low | 424.1 | Combined | 5950 |
| CS7339#1 | JIWWTP-CS_low | 63.7 | Combined | 1026 |
| CS7340#1 | JIWWTP-CS_low | 64.1 | Combined | 25 |
| CS7341#1 | JIWWTP-CS_low | 14.9 | Combined | 146 |
| CS7342#1 | JIWWTP-CS_low | 12.7 | Combined | 0 |
| CS7343#1 | JIWWTP-CS_low | 7.7 | Combined | 24 |
| CS7344A1 | JIWWTP-CS_low | 150.8 | Combined | 291 |
| CS7344A2 | JIWWTP-CS_low | 37.2 | Combined | 790 |
| CS7344A3 | JIWWTP-CS_low | 2.5 | Combined | 12 |
| CS7344A4 | JIWWTP-CS_low | 7.2 | Combined | 0 |
| CS7344A5 | JIWWTP-CS_low | 85.1 | Combined | 3096 |
| CS7344A6 | JIWWTP-CS_low | 297.4 | Combined | 7020 |
| CS7344A7 | JIWWTP-CS_low | 382.8 | Combined | 11653 |
| CS7345#1 | JIWWTP-CS_low | 21.7 | Combined | 185 |
| CS7345#2 | JIWWTP-CS_low | 50.4 | Combined | 2109 |

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**BASE SANITARY FLOW AND I/I ANALYSIS – COMPARISON OF CURRENT (2000) TO REVISED 2020 BASELINE CONDITIONS**

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| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CS7345#3 | JIWWTP-CS_low | 14.7 | Combined | 542 | 68 | 0 | 1410 | 2.17 | 2000 | 0 | 100 | 36656 |
| CS7345A1 | JIWWTP-CS_low | 59.7 | Combined | 1356 | 68 | 10.86 | 1410 | 2.31 | 2000 | 0 | 100 | 92344 |
| CS7346#1 | JIWWTP-CS_low | 36.0 | Combined | 129 | 68 | 18.86 | 1410 | 1.35 | 2000 | 0 | 100 | 8772 |
| CS7370#1 | JIWWTP-CS_low | 17.4 | Combined | 0 | 68 | 7.95 | 1410 | 0.37 | 2000 | 0 | 100 | 0 |
| CS7380#1 | JIWWTP-CS_low | 58.1 | Combined | 0 | 68 | 15.14 | 1410 | 1.38 | 2000 | 810653 | 100 | 0 |
| CS7380#2 | JIWWTP-CS_low | 153.6 | Combined | 2720 | 68 | 1.83 | 1410 | 13.15 | 2000 | 0 | 100 | 184960 |
| CS7381#1 | JIWWTP-CS_low | 45.2 | Combined | 656 | 68 | 3.83 | 1410 | 3.29 | 2000 | 0 | 100 | 44608 |
| CS7386#1 | JIWWTP-CS_low | 67.2 | Combined | 475 | 68 | 12.73 | 1410 | 4.78 | 2000 | 0 | 100 | 32300 |
| CS7387#1 | JIWWTP-CS_low | 38.0 | Combined | 0 | 68 | 11.4 | 1410 | 8.02 | 2000 | 0 | 100 | 0 |
| CS7388#1 | JIWWTP-CS_low | 27.4 | Combined | 0 | 68 | 6.82 | 1410 | 0 | 2000 | 0 | 100 | 0 |
| CS7390#1 | JIWWTP-CS_low | 18.2 | Combined | 0 | 68 | 9.38 | 1410 | 0.33 | 2000 | 0 | 100 | 0 |
| CS7394#1 | JIWWTP-CS_low | 20.4 | Combined | 95 | 68 | 8.57 | 1410 | 0.93 | 2000 | 0 | 100 | 6460 |
| CS7396#1 | JIWWTP-CS_low | 89.8 | Combined | 572 | 68 | 28.23 | 1410 | 12.43 | 2000 | 0 | 100 | 38896 |
| CS7398#1 | JIWWTP-CS_low | 38.9 | Combined | 124 | 68 | 25.26 | 1410 | 1.04 | 2000 | 0 | 100 | 8432 |
| CS7399#1 | JIWWTP-CS_low | 18.0 | Combined | 152 | 68 | 7.35 | 1410 | 1.95 | 2000 | 0 | 100 | 10336 |
| CS7400#1 | JIWWTP-CS_low | 5.2 | Combined | 22 | 68 | 0.73 | 1410 | 0.94 | 2000 | 0 | 100 | 1496 |
| CS7400#2 | JIWWTP-CS_low | 21.5 | Combined | 348 | 68 | 3.66 | 1410 | 3.98 | 2000 | 0 | 100 | 23664 |
| CS7400A1 | JIWWTP-CS_low | 3.3 | Combined | 114 | 68 | 0.04 | 1410 | 0.62 | 2000 | 0 | 100 | 7752 |
| CS7401#1 | JIWWTP-CS_low | 11.1 | Combined | 0 | 68 | 3.64 | 1410 | 0 | 2000 | 0 | 100 | 0 |
| CS7402#1 | JIWWTP-CS_low | 26.8 | Combined | 26 | 68 | 3.83 | 1410 | 1.27 | 2000 | 0 | 100 | 1768 |
| CS7403#1 | JIWWTP-CS_low | 31.9 | Combined | 11 | 68 | 7.56 | 1410 | 7.28 | 2000 | 0 | 100 | 748 |
| CS7403A1 | JIWWTP-CS_low | 3.3 | Combined | 0 | 68 | 1.71 | 1410 | 0.44 | 2000 | 0 | 100 | 0 |
| CS7404#1 | JIWWTP-CS_low | 48.1 | Combined | 66 | 68 | 11.16 | 1410 | 6.93 | 2000 | 0 | 100 | 4488 |
| CS7405#1 | JIWWTP-CS_low | 7.9 | Combined | 4 | 68 | 2.14 | 1410 | 1.17 | 2000 | 0 | 100 | 272 |

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| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WM6003 | MS0603 | 141.0 | Separated | 458 | 54.6 | 64.9 | 978.25 | 6.5 | 1500 | 0 | 100 | 25006.8 |
| WM6010 | MS0605 | 32.5 | Separated | 610 | 36 | 0 | 450 | 4.2 | 500 | 0 | 100 | 21960 |
| WM6011 | MS0606 | 85.7 | Separated | 1606 | 72 | 12.4 | 1000 | 1.5 | 1500 | 0 | 100 | 115632 |
| WM7005 | JIWWTP-SS_low | 22.1 | Separated | 0 | 54.6 | 20.1 | 978.25 | 0 | 1500 | 0 | 100 | 0 |
| WM7007 | JIWWTP-SS_low | 28.2 | Separated | 99 | 54.6 | 20.8 | 978.25 | 0.8 | 1500 | 0 | 100 | 5405.4 |
| **SSWWTP** | | | | | | | | | | | | |
| CS4188#1 | MS0401-CS | 339.3 | Combined | 5485 | 65 | 0.13 | 1200 | 16.87 | 1250 | 0 | 100 | 356525 |
| CS7183#1 | JIWWTP-CS_low | 49.0 | Combined | 545 | 65 | 0 | 1200 | 0.96 | 1250 | 0 | 100 | 35425 |
| BA4001 | MS0441 | 167.0 | Separated | 683 | 65 | 0 | 1000 | 0 | 1500 | 0 | 100 | 44395 |
| BA4002 | MS0440 | 418.0 | Separated | 1322 | 46.8 | 0 | 1000 | 32.5 | 1500 | 0 | 100 | 61869.6 |
| BA4003 | MS0440 | 304.7 | Separated | 291 | 46.8 | 0 | 1000 | 2 | 1500 | 0 | 100 | 13618.8 |
| BA4004 | MS0404 | 205.4 | Separated | 830 | 61.2 | 0 | 1000 | 0 | 1500 | 0 | 100 | 50796 |
| BA4005 | MS0409 | 24.9 | Separated | 49 | 82 | 0 | 881.5 | 0 | 1500 | 0 | 100 | 4018 |
| BA4006 | MS0440 | 150.7 | Separated | 317 | 46.8 | 0 | 1000 | 0 | 1500 | 0 | 100 | 14835.6 |
| BA4007 | MS0409 | 39.9 | Separated | 33 | 82 | 0 | 881.5 | 0 | 1500 | 0 | 100 | 2706 |
| BA4008 | MS0404 | 152.5 | Separated | 615 | 61.2 | 0 | 1000 | 0 | 1500 | 0 | 100 | 37638 |
| BA4009 | MS0406 | 76.4 | Separated | 378 | 100 | 0 | 1000 | 0 | 1500 | 0 | 100 | 37800 |
| BD4001 | MS0401-SS | 386.6 | Separated | 913 | 52.56 | 73.1 | 784.75 | 90.6 | 1500 | 0 | 100 | 47987.28 |
| BD4002 | MS0401-SS | 393.2 | Separated | 1982 | 52.56 | 0 | 784.75 | 35.9 | 1500 | 0 | 100 | 104173.92 |
| BD4003 | MS0432 | 315.1 | Separated | 1255 | 100 | 0 | 1000 | 0 | 1500 | 0 | 100 | 125500 |
| BD4004 | MS0413 | 323.2 | Separated | 1908 | 57.85 | 0 | 956.75 | 0 | 1500 | 0 | 100 | 110377.8 |
| BD4005 | MS0413 | 255.3 | Separated | 1419 | 57.85 | 0 | 956.75 | 13.5 | 1500 | 0 | 100 | 82089.15 |
| BD4006 | MS0431 | 568.8 | Separated | 2138 | 61.2 | 40.4 | 774 | 40.2 | 1500 | 0 | 100 | 130845.6 |
| BD4007 | MS0413 | 104.4 | Separated | 575 | 57.85 | 0 | 956.75 | 0 | 1500 | 0 | 100 | 33263.75 |
| BD4009 | MS0401-SS | 67.1 | Separated | 440 | 52.56 | 0 | 784.75 | 0 | 1500 | 0 | 100 | 23126.4 |
| BD4010 | MS0433 | 7.2 | Separated | 21 | 61 | 0 | 665.75 | 0 | 1000 | 0 | 100 | 1281 |
| BD4011 | MS0431 | 163.1 | Separated | 0 | 61.2 | 0 | 774 | 0.1 | 1500 | 0 | 0 | 0 |
| BR3001 | MS0337 | 698.9 | Separated | 2427 | 65.52 | 0 | 978.25 | 18.1 | 1500 | 0 | 100 | 159017.04 |
| BR3002 | MS0301 | 138.0 | Separated | 236 | 53 | 25 | 612.75 | 1.4 | 1000 | 0 | 100 | 12508 |
| BR3003 | MS0301 | 475.9 | Separated | 1034 | 53 | 0.4 | 612.75 | 86.8 | 1000 | 0 | 100 | 54802 |
| BR3004 | MS0341 | 311.4 | Separated | 140 | 70 | 63.4 | 1000 | 100.4 | 500 | 0 | 100 | 9800 |
| BR3005 | MS0312 | 288.7 | Separated | 810 | 60 | 0 | 1000 | 12 | 1500 | 0 | 100 | 48600 |
| BR3006 | MS0336 | 1183.6 | Separated | 2640 | 52 | 11.3 | 602 | 4.7 | 1000 | 0 | 100 | 137280 |
| BR3007 | MS0306 | 591.5 | Separated | 854 | 48.24 | 0 | 720.25 | 22.2 | 1500 | 0 | 100 | 41196.96 |
| BR3008 | MS0334 | 1400.1 | Separated | 3712 | 50.4 | 0 | 1000 | 54.9 | 1500 | 0 | 100 | 187084.8 |
| BR3009 | MS0312 | 1218.9 | Separated | 2977 | 60 | 0 | 1000 | 17.7 | 1500 | 0 | 100 | 178620 |
| BR3010 | MS0335 | 628.4 | Separated | 688 | 52 | 6.5 | 602 | 83 | 1000 | 0 | 100 | 35776 |
| BR3011 | MS0329 | 94.2 | Separated | 188 | 75 | 0 | 1000 | 28.5 | 1500 | 0 | 100 | 14100 |
| BR3013 | MS0303 | 316.7 | Separated | 505 | 48.96 | 60.4 | 960.7587 | 36.3 | 1000 | 0 | 100 | 24724.8 |
| BR3014 | MS0341 | 343.4 | Separated | 965 | 70 | 0.1 | 1000 | 14 | 500 | 0 | 100 | 67550 |
| BU3001 | MS0313 | 361.5 | Separated | 1881 | 59.76 | 91.2 | 892.25 | 27.7 | 1500 | 0 | 100 | 112408.56 |
| BU3002 | MS0303 | 147.5 | Separated | 0 | 48.96 | 63.6 | 960.7587 | 21.1 | 1000 | 0 | 100 | 0 |
| CU1003 | MS0110 | 359.3 | Separated | 2044 | 100 | 11.6 | 1000 | 3.6 | 500 | 0 | 100 | 204400 |
| CU1004 | MS0101 | 97.5 | Separated | 287 | 66 | 30.2 | 250 | 1.5 | 1500 | 0 | 100 | 18942 |
| CU1017 | MS0101 | 352.0 | Separated | 442 | 66 | 26.7 | 250 | 19.9 | 1500 | 0 | 100 | 29172 |
| CU1020 | SSWWTP | 51.7 | Separated | 0 | 40 | 39 | 989 | 0.5 | 250 | 0 | 100 | 0 |
| CV2001 | SSWWTP | 637.8 | Separated | 756 | 40 | 0 | 989 | 0 | 250 | 0 | 100 | 30240 |
| EG3001 | MS0332 | 230.7 | Separated | 946 | 80 | 0 | 1000 | 0 | 1500 | 0 | 100 | 75680 |
| EG3002 | MS0306 | 368.3 | Separated | 1121 | 48.24 | 0 | 720.25 | 0.5 | 1500 | 0 | 100 | 54077.04 |
| EG3003 | MS0330 | 27.7 | Separated | 109 | 68.4 | 0 | 1000 | 0 | 1500 | 0 | 100 | 7455.6 |
| EG3004 | MS0306 | 246.2 | Separated | 517 | 48.24 | 3.2 | 720.25 | 0 | 1500 | 0 | 100 | 24940.08 |
| EG3005 | MS0331 | 311.0 | Separated | 989 | 54 | 0 | 1000 | 11.6 | 1500 | 0 | 100 | 53406 |
| EG3006 | MS0335 | 229.9 | Separated | 725 | 52 | 0 | 602 | 1.4 | 1000 | 0 | 100 | 37700 |
| EG3007 | MS0306 | 475.6 | Separated | 1294 | 48.24 | 10.9 | 720.25 | 42.5 | 1500 | 0 | 100 | 62422.56 |
| EG3008 | MS0333 | 223.2 | Separated | 548 | 68 | 0 | 1000 | 3.8 | 1500 | 0 | 100 | 37264 |
| FP4001 | MS0404 | 293.0 | Separated | 1487 | 61.2 | 0 | 1000 | 20.8 | 1500 | 0 | 100 | 91004.4 |
| FP4002 | MS0406 | 126.5 | Separated | 677 | 100 | 0 | 1000 | 0 | 1500 | 0 | 100 | 67700 |
| FP4003 | MS0439 | 342.5 | Separated | 934 | 72 | 0 | 1000 | 0 | 1500 | 0 | 100 | 67248 |
| FP4004 | MS0404 | 240.8 | Separated | 1002 | 61.2 | 0 | 1000 | 8.4 | 1500 | 0 | 100 | 61322.4 |
| FP4007 | MS0403 | 8.6 | Separated | 53 | 57.6 | 0 | 1000 | 0 | 500 | 0 | 100 | 3052.8 |
| FP4009 | MS0404 | 47.9 | Separated | 271 | 61.2 | 0 | 1000 | 1.8 | 1500 | 0 | 100 | 16585.2 |
| FR1010 | MS0111 | 33.3 | Separated | 279 | 35 | 0 | 500 | 2.5 | 250 | 0 | 100 | 9765 |
| FR2001 | MS0224 | 2429.3 | Separated | 3913 | 66 | 27.7 | 946 | 28.3 | 1500 | 0 | 100 | 258258 |
| FR2002 | MS0204 | 658.9 | Separated | 2886 | 40.95 | 12.6 | 910 | 28.6 | 500 | 0 | 100 | 118181.7 |
| FR2003 | MS0220 | 1213.6 | Separated | 1456 | 54 | 6.7 | 1000 | 47.1 | 1500 | 0 | 100 | 78624 |
| FR2004 | MS0201 | 824.4 | Separated | 750 | 42.5 | 0 | 913.75 | 0 | 1000 | 0 | 100 | 31875 |
| FR2005 | MS0219 | 2494.3 | Separated | 4689 | 70 | 15.5 | 1000 | 61.1 | 2500 | 103380 | 100 | 328230 |
| FR2006 | MS0207 | 1313.4 | Separated | 2378 | 61 | 4.9 | 655.75 | 54.1 | 1500 | 0 | 100 | 145058 |
| FR2007 | MS0201 | 423.2 | Separated | 0 | 42.5 | 169.4 | 913.75 | 15 | 1000 | 0 | 100 | 0 |
| FR2008 | MS0218 | 895.0 | Separated | 1616 | 72 | 0.4 | 1000 | 0 | 1500 | 0 | 100 | 116352 |
| FR2009 | MS0217 | 481.9 | Separated | 1378 | 54 | 2.5 | 1000 | 36.5 | 1000 | 0 | 100 | 74412 |
| FR2011 | MS0208 | 58.2 | Separated | 695 | 77.6 | 0 | 1042.75 | 0 | 1500 | 0 | 100 | 53932 |
| FR2012 | MS0201 | 971.8 | Separated | 1791 | 42.5 | 0 | 913.75 | 1.2 | 1000 | 0 | 90 | 68505.75 |
| FR2013 | MS0201 | 527.5 | Separated | 1103 | 42.5 | 0 | 913.75 | 0 | 1000 | 0 | 100 | 46877.5 |
| FR2015 | MS0201 | 869.2 | Separated | 280 | 42.5 | 24.3 | 913.75 | 12.2 | 1000 | 0 | 100 | 11900 |
| FR2016 | MS0201 | 668.2 | Separated | 1082 | 42.5 | 40.1 | 913.75 | 22.7 | 1000 | 0 | 100 | 45985 |
| FR2017 | MS0201 | 855.1 | Separated | 291 | 42.5 | 6.4 | 913.75 | 4.4 | 1000 | 0 | 100 | 12367.5 |
| FR2019 | MS0204 | 430.7 | Separated | 129 | 40.95 | 0 | 910 | 0 | 500 | 0 | 0 | 0 |
| FR2020 | MS0201 | 6005.2 | Separated | 564 | 42.5 | 34.8 | 913.75 | 7.4 | 1000 | 0 | 0 | 0 |
| FR2021 | MS0207 | 656.3 | Separated | 2329 | 61 | 3.8 | 655.75 | 71.1 | 1500 | 0 | 100 | 142069 |
| FR2022 | MS0207 | 130.6 | Separated | 0 | 61 | 0 | 655.75 | 0 | 1500 | 0 | 0 | 0 |
| FR2023 | MS0202 | 142.2 | Separated | 6 | 44.2 | 0 | 559 | 0 | 1000 | 0 | 0 | 0 |
| FR2024 | MS0201 | 115.3 | Separated | 1879 | 42.5 | 0 | 913.75 | 0 | 1000 | 0 | 0 | 0 |
| GD2001 | MS0202 | 474.3 | Separated | 1566 | 44.2 | 0 | 559 | 3.2 | 1000 | 0 | 100 | 69217.2 |
| GD2004 | MS0202 | 181.2 | Separated | 30 | 44.2 | 0 | 559 | 111.4 | 1000 | 0 | 100 | 1326 |
| GD2005 | MS0202 | 114.5 | Separated | 295 | 44.2 | 0 | 559 | 0 | 1000 | 0 | 100 | 13039 |
| GD2006 | MS0223 | 159.3 | Separated | 906 | 95 | 0 | 1000 | 0 | 1500 | 0 | 100 | 86070 |
| GD2008 | MS0202 | 251.8 | Separated | 1044 | 44.2 | 4.6 | 559 | 2 | 1000 | 0 | 100 | 46144.8 |
| GD2009 | MS0222 | 841.9 | Separated | 4803 | 84.6 | 33.1 | 1010.5 | 17 | 1500 | 0 | 100 | 406333.8 |
| GD2012 | MS0221 | 768.2 | Separated | 4646 | 85 | 0 | 1000 | 0.5 | 1500 | 0 | 100 | 394910 |
| GD2016 | MS0208 | 156.9 | Separated | 1097 | 77.6 | 0 | 1042.75 | 0 | 1500 | 0 | 100 | 85127.2 |
| GD2018 | MS0202 | 616.6 | Separated | 16 | 44.2 | 13.5 | 559 | 5.9 | 1000 | 0 | 0 | 0 |
| GE3001 | MS0310 | 2024.0 | Separated | 2167 | 43.5 | 137.8 | 705.9856 | 28.8 | 1200 | 0 | 60 | 56558.7 |
| GE3002 | MS0352 | 1106.3 | Separated | 4365 | 44.4 | 14 | 795.5 | 73.8 | 1000 | 0 | 100 | 193806 |
| GE3003 | MS0353 | 670.7 | Separated | 490 | 56.88 | 139.6 | 849.25 | 33.3 | 1500 | 0 | 100 | 27871.2 |
| GE3004 | MS0310 | 1473.4 | Separated | 290 | 43.5 | 70.3 | 705.9856 | 2.9 | 1200 | 0 | 100 | 12615 |
| GE3005 | MS0310 | 1382.7 | Separated | 3701 | 43.5 | 8.7 | 705.9856 | 10.2 | 1200 | 0 | 100 | 160993.5 |
| GE3006 | MS0310 | 2273.1 | Separated | 4941 | 43.5 | 7.9 | 705.9856 | 69 | 1200 | 0 | 100 | 214933.5 |
| GE3007 | MS0310 | 6908.6 | Separated | 1636 | 43.5 | 35.4 | 705.9856 | 29.1 | 1200 | 0 | 0 | 0 |
| GE3008 | MS0310 | 6189.4 | Separated | 670 | 43.5 | 14 | 705.9856 | 28.2 | 1200 | 0 | 0 | 0 |
| GF1004 | MS0105 | 510.9 | Separated | 3542 | 85 | 0 | 1000 | 51.2 | 1500 | 0 | 100 | 301070 |
| GF1005 | MS0105 | 528.6 | Separated | 2980 | 85 | 0 | 1000 | 34 | 1500 | 0 | 100 | 253300 |
| GF1006 | MS0105 | 730.3 | Separated | 3828 | 85 | 0.3 | 1000 | 28 | 1500 | 0 | 100 | 325380 |
| GF1011 | MS0113 | 582.5 | Separated | 2401 | 50 | 0.6 | 1000 | 62.8 | 1500 | 0 | 100 | 120050 |
| GF1013 | MS0111 | 10.7 | Separated | 2 | 35 | 0 | 500 | 5 | 250 | 0 | 100 | 70 |
| GF1014 | MS0111 | 53.6 | Separated | 272 | 35 | 0 | 500 | 2 | 250 | 0 | 100 | 9520 |
| GF1016 | MS0112 | 109.1 | Separated | 735 | 41 | 0 | 1000 | 12.1 | 500 | 0 | 100 | 30135 |
| GF1036 | MS0102 | 81.8 | Separated | 632 | 66.96 | 0 | 698.96 | 1.2 | 1500 | 0 | 100 | 42318.72 |
| GF2001 | MS0234 | 867.5 | Separated | 2677 | 73.525 | 1.7 | 1000 | 51.4 | 1500 | 0 | 100 | 196826.43 |
| GF2002 | MS0233 | 715.8 | Separated | 4544 | 85 | 0 | 1000 | 1.4 | 1500 | 0 | 100 | 386240 |
| GF2003 | MS0205 | 680.2 | Separated | 1702 | 58.9 | 3.9 | 666.5 | 29.4 | 1500 | 0 | 100 | 100247.8 |
| GF2012 | MS0208 | 283.6 | Separated | 2235 | 77.6 | 0 | 1042.75 | 14.9 | 1500 | 0 | 100 | 173436 |
| GF2020 | MS0231 | 329.6 | Separated | 1487 | 60 | 0.1 | 1000 | 90.8 | 1500 | 0 | 100 | 89220 |
| GF2022 | MS0203 | 117.1 | Separated | 38 | 62.9 | 6.5 | 814 | 21.9 | 1500 | 0 | 100 | 2390.2 |
| GF2023 | MS0212 | 13.0 | Separated | 172 | 68.85 | 0 | 1000 | 0 | 1500 | 0 | 100 | 11842.2 |
| GF2026 | MS0202 | 125.4 | Separated | 205 | 44.2 | 0 | 559 | 25 | 1000 | 0 | 100 | 9061 |
| GF2027 | MS0230 | 38.3 | Separated | 0 | 95 | 0 | 1000 | 0 | 1500 | 0 | 100 | 0 |
| GF2033 | MS0203 | 218.4 | Separated | 684 | 62.9 | 0 | 814 | 2.5 | 1500 | 0 | 100 | 43023.6 |
| GF2034 | MS0232 | 24.1 | Separated | 185 | 85 | 0 | 1000 | 0 | 1500 | 0 | 100 | 15725 |

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## BASE SANITARY FLOW AND I/I ANALYSIS – COMPARISON OF CURRENT (2000) TO REVISED 2020 BASELINE CONDITIONS

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| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GF2035 | MS0205 | 446.9 | Separated | 978 | 58.9 | 0 | 666.5 | 26.9 | 1500 | 0 | 100 | 57604.2 |
| GF2037 | MS0208 | 8.0 | Separated | 11 | 77.6 | 0 | 1042.75 | 0 | 1500 | 0 | 0 | 0 |
| GF6032 | MS0102 | 109.6 | Separated | 0 | 66.96 | 0 | 996.96 | 2.7 | 1500 | 0 | 0 | 0 |
| GL4024 | MS0401-SS | 9.5 | Separated | 78 | 52.56 | 0 | 784.75 | 0 | 1500 | 0 | 100 | 4099.68 |
| GL4025 | MS0437 | 401.7 | Separated | 1939 | 54 | 34.8 | 987.5 | 11.1 | 1500 | 0 | 100 | 104706 |
| GL4031 | MS0404 | 10.1 | Separated | 48 | 61.2 | 0 | 1000 | 1.1 | 1500 | 0 | 100 | 2937.6 |
| GL4053 | MS0430 | 92.5 | Separated | 146 | 58.5 | 33.2 | 1879.706 | 2.3 | 1500 | 0 | 100 | 8541 |
| GL4055 | MS0403 | 72.4 | Separated | 281 | 57.6 | 0 | 1000 | 10.7 | 500 | 0 | 100 | 16185.6 |
| HC2001 | MS0202 | 171.0 | Separated | 349 | 44.2 | 0 | 559 | 1 | 1000 | 0 | 100 | 15425.8 |
| HC2002 | MS0232 | 171.2 | Separated | 637 | 85 | 0 | 1000 | 0.7 | 1500 | 0 | 100 | 54145 |
| HC2003 | MS0228 | 181.7 | Separated | 766 | 60 | 0 | 1000 | 30.6 | 1000 | 0 | 100 | 45960 |
| HC2004 | MS0209 | 383.4 | Separated | 1862 | 84.7 | 0.2 | 827.75 | 11.4 | 1500 | 0 | 100 | 157711.4 |
| HC2005 | MS0229 | 158.0 | Separated | 625 | 72 | 0 | 1000 | 1.2 | 1500 | 0 | 100 | 45000 |
| HC2006 | MS0230 | 294.1 | Separated | 983 | 95 | 0 | 1000 | 0 | 1500 | 0 | 100 | 93385 |
| HC2007 | MS0205 | 45.7 | Separated | 104 | 58.9 | 0 | 666.5 | 10.8 | 1500 | 0 | 100 | 6125.6 |
| HC2008 | MS0204 | 249.8 | Separated | 20 | 40.95 | 0 | 910 | 0.1 | 500 | 0 | 0 | 0 |
| HC2009 | MS0209 | 391.0 | Separated | 2419 | 84.7 | 2 | 827.75 | 60 | 1500 | 0 | 100 | 204889.3 |
| ME3009 | MS0308 | 909.2 | Separated | 850 | 42 | 10.4 | 1134.769 | 3.3 | 1500 | 0 | 100 | 35700 |
| ME3013 | MS0308 | 5140.7 | Separated | 826 | 42 | 4.7 | 1134.769 | 11.2 | 1500 | 0 | 0 | 0 |
| ME4001 | MS0445 | 1660.9 | Separated | 2571 | 62.64 | 4.7 | 935.25 | 14.5 | 1500 | 0 | 100 | 161047.44 |
| ME4002 | MS0443 | 918.4 | Separated | 1399 | 100 | 0 | 1000 | 2 | 1500 | 0 | 100 | 139900 |
| ME4003 | MS0444 | 1432.8 | Separated | 2385 | 75 | 0 | 1000 | 117.7 | 500 | 0 | 100 | 178875 |
| ME4004 | MS0409 | 2497.7 | Separated | 4579 | 82 | 16.4 | 881.5 | 54.1 | 1500 | 0 | 100 | 375478 |
| ME4005 | MS0442 | 342.3 | Separated | 796 | 100 | 0 | 1000 | 0 | 1500 | 0 | 100 | 79600 |
| ME4006 | MS0434 | 1238.7 | Separated | 1724 | 64.8 | 0 | 1000 | 6.3 | 1500 | 0 | 100 | 111715.2 |
| ME4008 | MS0408 | 3753.8 | Separated | 3558 | 55 | 227.5 | 741.75 | 86.6 | 1000 | 0 | 100 | 195690 |
| ME4010 | MS0435 | 2017.1 | Separated | 2220 | 54 | 0 | 1000 | 7.5 | 1500 | 0 | 100 | 119880 |
| ME4011 | MS0436 | 60.5 | Separated | 109 | 77 | 0 | 827.75 | 0 | 1500 | 0 | 100 | 8393 |
| ME4012 | MS0409 | 3851.8 | Separated | 530 | 82 | 0.3 | 881.5 | 5.3 | 1500 | 0 | 0 | 0 |
| ME4014 | MS0408 | 5733.5 | Separated | 758 | 55 | 8.4 | 741.75 | 8.4 | 1000 | 0 | 0 | 0 |
| ME4015 | MS0408 | 168.0 | Separated | 38 | 77 | 0 | 827.75 | 0 | 1500 | 0 | 0 | 0 |
| MF3001 | MS0343 | 1595.2 | Separated | 6168 | 56.4 | 3.1 | 1000 | 47 | 500 | 0 | 100 | 347875.2 |
| MF3003 | MS0345 | 969.3 | Separated | 3756 | 58 | 78.3 | 525 | 122.7 | 500 | 0 | 100 | 217848 |
| MF3004 | MS0307 | 2687.4 | Separated | 7307 | 42.5 | 353.4 | 510 | 125.9 | 700 | 0 | 100 | 310547.5 |
| MF3005 | MS0342 | 4055.0 | Separated | 8347 | 50 | 240.2 | 608 | 96.4 | 500 | 0 | 100 | 417350 |
| MF3006 | MS0311 | 542.4 | Separated | 695 | 54.925 | 224.3 | 1859 | 56.4 | 1500 | 0 | 100 | 38172.875 |
| MF3007 | MS0308 | 532.0 | Separated | 75 | 42 | 29.1 | 1134.769 | 7.4 | 1500 | 0 | 0 | 0 |
| MF3008 | MS0310 | 814.6 | Separated | 557 | 43.5 | 6.2 | 705.9856 | 0 | 1200 | 0 | 100 | 24229.5 |
| MF3009 | MS0344 | 399.0 | Separated | 2252 | 40 | 2.4 | 1000 | 45.9 | 500 | 0 | 100 | 90080 |
| MF3011 | MS0303 | 162.1 | Separated | 4 | 48.96 | 0 | 950.7587 | 1.4 | 1000 | 0 | 0 | 0 |
| MF3012 | MS0303 | 721.2 | Separated | 211 | 48.96 | 32.5 | 950.7587 | 19 | 1000 | 0 | 100 | 10330.56 |
| MI1074 | MS0103 | 14.6 | Separated | 14 | 65.52 | 1.58 | 978.25 | 0.63 | 1500 | 0 | 100 | 917.28 |
| MI1077 | MS0102 | 343.5 | Separated | 2839 | 66.96 | 11.53 | 996.96 | 2.76 | 1500 | 0 | 100 | 190099.44 |
| MI1079 | MS0102 | 279.5 | Separated | 1815 | 66.96 | 0 | 996.96 | 0 | 1500 | 0 | 100 | 121532.4 |
| MI1080 | MS0102 | 376.4 | Separated | 3192 | 66.96 | 7.72 | 996.96 | 3.66 | 1500 | 0 | 100 | 213736.32 |
| MI1082 | MS0112 | 254.2 | Separated | 1462 | 41 | 0 | 1000 | 21.65 | 500 | 0 | 100 | 59942 |
| MI1083 | MS0112 | 133.8 | Separated | 751 | 41 | 0 | 1000 | 0 | 500 | 0 | 100 | 30791 |
| MI1084 | MS0112 | 279.7 | Separated | 2901 | 41 | 0 | 1000 | 19.96 | 500 | 0 | 100 | 118941 |
| MI1085 | MS0111 | 111.0 | Separated | 1106 | 35 | 0 | 500 | 6.65 | 250 | 0 | 100 | 38710 |
| MI1086 | MS0111 | 211.4 | Separated | 732 | 35 | 2.72 | 500 | 24.09 | 250 | 0 | 100 | 25620 |
| MI1087 | MS0101 | 437.0 | Separated | 781 | 66 | 50.73 | 250 | 6.68 | 1500 | 0 | 100 | 51546 |
| MI1088 | MS0101 | 1960.8 | Separated | 604 | 66 | 70.31 | 250 | 81.82 | 1500 | 364980 | 15 | 5979.6 |
| MI1097 | MS0117 | 138.5 | Separated | 1420 | 29.7 | 0 | 1000 | 0 | 500 | 0 | 100 | 42174 |
| MI1100 | MS0116 | 118.1 | Separated | 1631 | 85 | 0 | 1075 | 0.02 | 1500 | 0 | 100 | 138635 |
| MI1101 | MS0115 | 311.4 | Separated | 2707 | 52.25 | 9.57 | 1021.25 | 4.13 | 1500 | 0 | 100 | 141440.75 |
| MI1102 | MS0114 | 347.2 | Separated | 4016 | 69.6 | 0.05 | 1000 | 27.45 | 1500 | 0 | 100 | 279513.6 |
| MI1103 | MS0113 | 63.6 | Separated | 76 | 50 | 1.09 | 1000 | 18.38 | 1500 | 0 | 100 | 3800 |
| MI1123 | MS0118 | 47.3 | Separated | 700 | 95 | 0 | 999.75 | 0.48 | 1500 | 0 | 100 | 66500 |
| MI1128 | MS0105 | 159.4 | Separated | 1136 | 85 | 0 | 1000 | 8.3 | 1500 | 0 | 100 | 96560 |
| MI1130 | MS0102 | 19.9 | Separated | 384 | 66.96 | 0 | 996.96 | 0 | 1500 | 0 | 100 | 25712.64 |
| MI1135 | MS0101 | 130.4 | Separated | 1216 | 66 | 0.23 | 250 | 3.9 | 1500 | 0 | 100 | 80256 |
| MI1136 | MS0102 | 555.4 | Separated | 1904 | 66.96 | 25.88 | 996.96 | 29.69 | 1500 | 158086.7 | 100 | 127491.84 |
| MI1137 | MS0104 | 386.9 | Separated | 4209 | 67.68 | 0 | 1000 | 11.38 | 1500 | 0 | 100 | 284865.12 |
| MI1150 | MS0115 | 330.9 | Separated | 2217 | 52.25 | 37.24 | 1021.25 | 7.91 | 1500 | 0 | 100 | 115838.25 |
| MI1158 | MS0102 | 99.7 | Separated | 472 | 66.96 | 0 | 996.96 | 0 | 1500 | 0 | 100 | 31605.12 |
| MI2094 | MS0233 | 292.4 | Separated | 2994 | 85 | 0 | 1000 | 0.81 | 1500 | 0 | 100 | 254490 |
| MI2126 | MS0212 | 88.6 | Separated | 1084 | 68.85 | 0 | 1000 | 3.85 | 1500 | 0 | 100 | 74633.4 |
| MI3026 | MS0303 | 567.2 | Separated | 1340 | 48.96 | 0 | 950.7587 | 2.01 | 1000 | 0 | 100 | 65606.4 |
| MI3027 | MS0303 | 424.7 | Separated | 812 | 48.96 | 93.25 | 950.7587 | 42.38 | 1000 | 0 | 100 | 39755.52 |
| MI3028 | MS0308 | 1688.6 | Separated | 2390 | 42 | 255.4 | 1134.769 | 43.91 | 1500 | 0 | 100 | 100380 |
| MI3029 | MS0351 | 529.8 | Separated | 3390 | 91 | 0 | 1000 | 12.28 | 2500 | 0 | 100 | 308490 |
| MI3030 | MS0350 | 450.1 | Separated | 3194 | 72 | 27.76 | 505.25 | 49.1 | 1000 | 0 | 100 | 229968 |
| MI3031 | MS0350 | 718.4 | Separated | 765 | 72 | 124.95 | 505.25 | 149.16 | 1000 | 0 | 100 | 55080 |
| MI3032 | MS0349 | 349.1 | Separated | 2993 | 95 | 46.74 | 1021.25 | 10.51 | 1500 | 0 | 100 | 284335 |
| MI3033 | MS0304 | 281.2 | Separated | 2524 | 40.75 | 0 | 876.125 | 0.2 | 1500 | 0 | 100 | 102853 |
| MI3034 | MS0348 | 420.1 | Separated | 1171 | 98 | 0 | 1000 | 0.14 | 2500 | 0 | 100 | 114758 |
| MI3035 | MS0347 | 445.1 | Separated | 3024 | 82.45 | 2.57 | 1000 | 4.5 | 1500 | 0 | 100 | 249328.8 |
| MI3036 | MS0346 | 431.2 | Separated | 5281 | 45 | 36.09 | 892.25 | 35.95 | 1000 | 0 | 100 | 237645 |
| MI3037 | MS0304 | 629.7 | Separated | 3719 | 40.75 | 47.67 | 876.125 | 66.81 | 1500 | 0 | 100 | 151549.25 |
| MI3038 | MS0340 | 53.0 | Separated | 851 | 92.15 | 0 | 1000 | 2.98 | 1500 | 0 | 100 | 78419.65 |
| MI3040 | MS0340 | 331.9 | Separated | 3568 | 92.15 | 0 | 1000 | 9.74 | 1500 | 0 | 100 | 328791.2 |
| MI3041 | MS0339 | 379.3 | Separated | 4414 | 57 | 0 | 1000 | 8.06 | 1500 | 0 | 100 | 251598 |
| MI3061 | MS0399 | 148.2 | Separated | 0 | 72 | 8.16 | 0 | 0 | 1500 | 451782.5 | 100 | 0 |
| MI3062 | WWTemp2 | 323.9 | Separated | 1684 | 53 | 0 | 812.75 | 6.08 | 1000 | 0 | 100 | 89252 |
| MI3063 | MS0319 | 38.7 | Separated | 354 | 68.4 | 1.54 | 1021.25 | 1.1 | 1500 | 0 | 100 | 24213.6 |
| MI3064 | MS0103 | 102.5 | Separated | 596 | 65.52 | 30.17 | 978.25 | 5.85 | 1500 | 0 | 100 | 39049.92 |
| MI3065 | MS0338 | 206.6 | Separated | 1851 | 90 | 0 | 1000 | 1.99 | 1500 | 0 | 100 | 166590 |
| MI3095 | MS0315 | 515.2 | Separated | 6382 | 20 | 0 | 1000 | 2.48 | 500 | 0 | 100 | 127640 |
| MI3096 | MS0316 | 560.7 | Separated | 5208 | 91 | 0 | 1000 | 21 | 2500 | 0 | 100 | 473928 |
| MI3122 | MS0321 | 120.0 | Separated | 268 | 55.25 | 14.21 | 913.75 | 0.7 | 1500 | 0 | 100 | 14807 |
| MI3124 | MS0305 | 21.2 | Separated | 68 | 61.2 | 0 | 1000 | 5.48 | 1500 | 0 | 100 | 4161.6 |
| MI3132 | MS0303 | 586.8 | Separated | 72 | 48.96 | 0 | 950.7587 | 105.86 | 1000 | 0 | 100 | 3525.12 |
| MI3134 | MS0346 | 326.5 | Separated | 0 | 45 | 0.12 | 892.25 | 0 | 1000 | 0 | 0 | 0 |
| MI3138 | MS0410 | 6.7 | Separated | 93 | 53 | 0 | 812.75 | 0 | 1000 | 0 | 100 | 4929 |
| MI3151 | MS0308 | 787.4 | Separated | 4000 | 42 | 64.83 | 1134.769 | 34.01 | 1500 | 192495 | 100 | 168000 |
| MI3152 | MS0308 | 975.6 | Separated | 1737 | 42 | 207.83 | 1134.769 | 31.36 | 1500 | 0 | 100 | 72954 |
| MI3153 | MS0304 | 256.5 | Separated | 1160 | 40.75 | 0 | 876.125 | 0.86 | 1500 | 0 | 100 | 47270 |
| MI3154 | MS0304 | 631.2 | Separated | 3089 | 40.75 | 10.16 | 876.125 | 5.27 | 1500 | 0 | 100 | 125876.75 |
| MI4001 | MS0433 | 1307.1 | Separated | 6416 | 61 | 13.27 | 655.75 | 255.94 | 1000 | 0 | 100 | 391376 |
| MI4002 | MS0413 | 676.7 | Separated | 3907 | 57.85 | 137.85 | 958.75 | 36.25 | 1500 | 0 | 100 | 226019.95 |
| MI4003 | MS0430 | 304.0 | Separated | 2446 | 58.5 | 68.82 | 1879.706 | 23.74 | 1500 | 0 | 100 | 143091 |
| MI4004 | MS0428 | 960.8 | Separated | 4022 | 68.4 | 93.3 | 475 | 25.76 | 500 | 0 | 100 | 275104.8 |
| MI4005 | MS0429 | 117.4 | Separated | 1620 | 57.6 | 16.98 | 480 | 1.14 | 1500 | 0 | 100 | 93312 |
| MI4006 | MS0428 | 549.5 | Separated | 1634 | 68.4 | 59.7 | 475 | 20.2 | 500 | 0 | 100 | 111765.6 |
| MI4007 | MS0427 | 571.0 | Separated | 6885 | 69.12 | 100.02 | 2172.72 | 18.54 | 1500 | 0 | 100 | 475891.2 |
| MI4008 | MS0426 | 213.7 | Separated | 3720 | 70.56 | 0 | 1000 | 2.35 | 1500 | 0 | 100 | 262483.2 |
| MI4009 | MS0425 | 421.6 | Separated | 4133 | 79.2 | 28.06 | 946 | 30.33 | 1500 | 0 | 100 | 327333.6 |
| MI4010 | MS0423 | 292.6 | Separated | 4023 | 48 | 0 | 1000 | 15.76 | 500 | 0 | 100 | 193104 |
| MI4011 | MS0407 | 213.8 | Separated | 1934 | 67.68 | 0 | 1000 | 5.61 | 1500 | 0 | 100 | 130893.12 |
| MI4012 | MS0422 | 76.9 | Separated | 823 | 95 | 0 | 1000 | 3.35 | 1500 | 0 | 100 | 78185 |
| MI4014 | MS0421 | 311.3 | Separated | 4408 | 66.24 | 0 | 1000 | 18.31 | 1500 | 0 | 100 | 291985.92 |
| MI4021 | MS0401-SS | 188.2 | Separated | 1410 | 52.56 | 0 | 784.75 | 33.88 | 1500 | 0 | 100 | 74109.6 |
| MI4042 | MS0401-SS | 518.9 | Separated | 4660 | 52.56 | 0 | 784.75 | 13.7 | 1500 | 0 | 100 | 244929.6 |
| MI4043 | MS0401-SS | 151.0 | Separated | 2031 | 52.56 | 0 | 784.75 | 6.97 | 1500 | 0 | 100 | 106749.36 |
| MI4044 | MS0401-SS | 124.6 | Separated | 1795 | 52.56 | 0 | 784.75 | 7.37 | 1500 | 0 | 100 | 94345.2 |
| MI4046 | MS0418 | 275.5 | Separated | 5216 | 52.8 | 0 | 1000 | 24.03 | 1500 | 0 | 100 | 275404.8 |
| MI4067 | MS0411 | 168.6 | Separated | 2062 | 56.4 | 0 | 1000 | 3.01 | 1500 | 0 | 100 | 116296.8 |
| MI4071 | MS0416 | 381.9 | Separated | 4353 | 89 | 3.57 | 958.75 | 12.45 | 2500 | 0 | 100 | 387417 |
| MI4073 | MS0419 | 408.5 | Separated | 4826 | 85.5 | 3.66 | 1021.25 | 14.83 | 1500 | 0 | 100 | 412623 |
| MI4075 | MS0401-SS | 4.0 | Separated | 93 | 52.56 | 0 | 784.75 | 0 | 1500 | 0 | 100 | 4888.08 |

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TABLE 5A-5 SHEET 5 OF 7

**BASE SANITARY FLOW AND I/I ANALYSIS – COMPARISON OF CURRENT (2000) TO REVISED 2020 BASELINE CONDITIONS**

2020 TREATMENT REPORT

5/28/07 TR_5A.T005.07.05.28.cdr

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| MI4114 | MS0431 | 59.5 | Separated | 484 | 61.2 | 1.7 | 774 | 1.94 | 1500 | 0 |
| MI4121 | MS0410 | 268.1 | Separated | 1856 | 76.5 | 0 | 967.5 | 29.36 | 1500 | 0 |
| MI4139 | MS0420 | 111.4 | Separated | 1650 | 76 | 0 | 1000 | 4.39 | 1500 | 0 |
| MI4140 | MS0407 | 246.3 | Separated | 3119 | 87.68 | 0 | 1000 | 7.63 | 1500 | 0 |
| MI4141 | MS0424 | 245.2 | Separated | 2080 | 48 | 0 | 1000 | 14.86 | 1500 | 0 |
| MI4142 | MS0401-SS | 403.1 | Separated | 420 | 52.56 | 75.86 | 784.75 | 22.09 | 1500 | 0 |
| MI4155 | MS0401-SS | 61.8 | Separated | 757 | 52.56 | 0 | 784.75 | 3.31 | 1500 | 0 |
| MI4156 | MS0401-SS | 61.2 | Separated | 853 | 52.56 | 0 | 784.75 | 1.12 | 1500 | 0 |
| MI4159 | MS0417 | 19.0 | Separated | 155 | 68 | 0 | 900 | 0 | 1500 | 0 |
| MI4160 | MS0419 | 232.7 | Separated | 0 | 85.5 | 0 | 1021.25 | 0 | 1500 | 0 |
| MI4161 | MS0401-SS | 38.8 | Separated | 635 | 52.56 | 0 | 784.75 | 0.29 | 1500 | 0 |
| MI4168 | MS0412 | 84.0 | Separated | 256 | 65 | 0 | 1000 | 0.31 | 1500 | 0 |
| MI6107 | MS0102 | 245.1 | Separated | 1351 | 66 | 22.78 | 900 | 22.87 | 1500 | 0 |
| MU2001 | MS0211 | 3997.8 | Separated | 4972 | 45 | 47 | 913.75 | 28.5 | 1000 | 0 |
| MU2002 | MS0211 | 985.7 | Separated | 1364 | 45 | 0 | 913.75 | 4.6 | 1000 | 0 |
| MU2003 | MS0204 | 2939.2 | Separated | 1049 | 40.95 | 5.6 | 910 | 8.9 | 500 | 0 |
| MU2004 | MS0211 | 3787.9 | Separated | 497 | 45 | 0 | 913.75 | 1.9 | 1000 | 0 |
| MU2005 | MS0225 | 1396.1 | Separated | 4485 | 61.92 | 27 | 924.5 | 30.7 | 1500 | 0 |
| MU2006 | MS0226 | 959.8 | Separated | 3204 | 79 | 0 | 1000 | 45.6 | 1500 | 0 |
| MU2007 | MS0227 | 1781.7 | Separated | 4506 | 59.76 | 59.6 | 892.25 | 43.2 | 1500 | 0 |
| NB2002 | MS0235 | 108.3 | Separated | 613 | 80 | 0 | 1000 | 0 | 1500 | 0 |
| NB2003 | MS0234 | 834.4 | Separated | 4344 | 73.525 | 0 | 1000 | 1.1 | 1500 | 0 |
| NB2007 | MS0210 | 2086.9 | Separated | 3745 | 57 | 105.4 | 709.5 | 88.8 | 1000 | 0 |
| NB2008 | MS0227 | 123.3 | Separated | 215 | 59.76 | 0.5 | 892.25 | 3 | 1500 | 0 |
| NB2009 | MS0213 | 1549.5 | Separated | 5568 | 67 | 0.3 | 1000 | 63.4 | 500 | 0 |
| NB2010 | MS0210 | 615.3 | Separated | 1148 | 57 | 0.8 | 709.5 | 9.5 | 1000 | 0 |
| NB2011 | MS0210 | 1686.5 | Separated | 6307 | 57 | 12 | 709.5 | 67.4 | 1000 | 0 |
| NB2013 | MS0210 | 3028.1 | Separated | 1772 | 57 | 8.4 | 709.5 | 18 | 1000 | 0 |
| NB2014 | MS0227 | 402.5 | Separated | 0 | 57 | 0 | 709.5 | 1.7 | 1000 | 0 |
| NB2016 | MS0225 | 7.8 | Separated | 4 | 61.92 | 0 | 924.5 | 2.2 | 1500 | 0 |
| NB2017 | MS0227 | 623.4 | Separated | 385 | 57 | 1.7 | 709.5 | 3.7 | 1000 | 0 |
| NB3001 | MS0324 | 802.4 | Separated | 3532 | 40.5 | 2.8 | 967.5 | 10.2 | 1500 | 0 |
| NB3004 | MS0203 | 27.5 | Separated | 199 | 53 | 0 | 612.75 | 0 | 1000 | 0 |
| NB3005 | MS0325 | 202.5 | Separated | 886 | 57.6 | 0 | 1000 | 7.5 | 1500 | 0 |
| NB3006 | MS0326 | 2478.6 | Separated | 4337 | 56 | 554 | 1000 | 198.7 | 1000 | 0 |
| NB3012 | MS0203 | 287.9 | Separated | 1271 | 53 | 0 | 612.75 | 2.2 | 1000 | 0 |
| NB3015 | MS0326 | 540.5 | Separated | 18 | 56 | 11.9 | 1000 | 1.8 | 1000 | 0 |
| OC1001 | MS0106 | 986.1 | Separated | 2631 | 61.6 | 23 | 827.75 | 24.7 | 1500 | 0 |
| OC1003 | MS0106 | 1257.1 | Separated | 2042 | 61.6 | 3.7 | 827.75 | 39.5 | 1500 | 0 |
| OC1005 | SSWWTP | 621.0 | Separated | 1235 | 40 | 0 | 989 | 0 | 250 | 0 |
| OC1006 | MS0109 | 448.1 | Separated | 905 | 64.8 | 13.1 | 967.5 | 9.7 | 1500 | 198785 |
| OC1007 | MS0111 | 199.7 | Separated | 1238 | 35 | 0.1 | 500 | 15.5 | 250 | 0 |
| OC1010 | SSWWTP | 287.0 | Separated | 1093 | 40 | 0 | 989 | 11.2 | 250 | 0 |
| OC1019 | SSWWTP | 920.8 | Separated | 2076 | 40 | 99.3 | 989 | 6.3 | 250 | 0 |
| OC1024 | MS0109 | 961.9 | Separated | 3 | 64.8 | 35.6 | 967.5 | 0 | 1500 | 0 |
| OC1028 | MS0106 | 1096.4 | Separated | 960 | 61.6 | 211.8 | 827.75 | 47.3 | 1500 | 0 |
| OC1029 | SSWWTP | 76.9 | Separated | 56 | 40 | 0 | 989 | 0.2 | 250 | 0 |
| OC2002 | SSWWTP | 672.4 | Separated | 1102 | 40 | 3.3 | 989 | 0 | 250 | 0 |
| OC2004 | MS0214 | 914.7 | Separated | 2269 | 95 | 0 | 1000 | 0 | 1500 | 0 |
| OC2012 | MS0216 | 1064.2 | Separated | 1919 | 57.6 | 52.7 | 880 | 83.1 | 500 | 0 |
| OC2013 | SSWWTP | 989.2 | Separated | 943 | 40 | 14.9 | 989 | 2.8 | 250 | 0 |
| OC2014 | SSWWTP | 769.0 | Separated | 486 | 40 | 20.6 | 989 | 61 | 250 | 0 |
| OC2015 | MS0215 | 347.7 | Separated | 1754 | 56 | 0 | 1000 | 26.9 | 1000 | 0 |
| OC2017 | SSWWTP | 745.2 | Separated | 1625 | 40 | 19.4 | 989 | 6.6 | 250 | 0 |
| OC2025 | SSWWTP | 975.3 | Separated | 634 | 40 | 0 | 989 | 1 | 250 | 0 |
| OC2027 | SSWWTP | 2164.7 | Separated | 3271 | 40 | 208.9 | 989 | 85.1 | 250 | 0 |
| OC2030 | SSWWTP | 1039.2 | Separated | 802 | 40 | 52.5 | 989 | 2.4 | 250 | 0 |
| OC2031 | SSWWTP | 741.8 | Separated | 457 | 40 | 0 | 989 | 0 | 250 | 0 |
| OC2032 | SSWWTP | 939.2 | Separated | 925 | 40 | 0.3 | 989 | 2.2 | 250 | 0 |
| RH4003 | MS0441 | 666.0 | Separated | 525 | 65 | 0 | 1000 | 0 | 1500 | 0 |
| RH4004 | MS0404 | 114.5 | Separated | 43 | 61.2 | 0 | 1000 | 0 | 1500 | 0 |
| SF1003 | MS0101 | 155.4 | Separated | 382 | 66 | 22.3 | 250 | 10.2 | 1500 | 0 |
| SF1006 | MS0101 | 51.4 | Separated | 531 | 66 | 4.7 | 250 | 0 | 1500 | 0 |
| TH4001 | MS0436 | 689.0 | Separated | 3254 | 77 | 5 | 827.75 | 62.7 | 1500 | 0 |
| WA3006 | MS0326 | 140.6 | Separated | 1388 | 75 | 0 | 1000 | 0.1 | 1500 | 0 |
| WA3007 | MS0301 | 367.2 | Separated | 3981 | 53 | 0 | 612.75 | 8.1 | 1000 | 0 |
| WA3008 | MS0340 | 421.1 | Separated | 3026 | 92.15 | 0 | 1000 | 0.9 | 1500 | 0 |
| WA3009 | MS0303 | 1061.7 | Separated | 2064 | 48.96 | 107.7 | 950.7587 | 82.4 | 1000 | 0 |
| WA3011A | WWTemp1 | 333.4 | Separated | 0 | 53 | 32.3 | 612.75 | 50.2 | 1000 | 0 |
| WA3011B | WWTemp1 | 459.0 | Separated | 1792 | 53 | 21.1 | 612.75 | 32.0 | 1000 | 0 |
| WA3012 | MS0330 | 314.1 | Separated | 2116 | 68.4 | 0.4 | 1000 | 3.9 | 1500 | 0 |
| WA3013 | MS0329 | 216.8 | Separated | 1845 | 75 | 0 | 1000 | 7.6 | 1500 | 0 |
| WA3014 | MS0322 | 130.7 | Separated | 856 | 49 | 6.7 | 752.5 | 10.7 | 1500 | 0 |
| WA3015 | WWTemp2 | 14.8 | Separated | 2 | 53 | 0 | 612.75 | 12.3 | 1000 | 0 |
| WA3018 | WWTemp2 | 72.3 | Separated | 0 | 53 | 1 | 612.75 | 0 | 1000 | 0 |
| WA3019 | MS0301 | 696.2 | Separated | 407 | 53 | 0 | 612.75 | 0.5 | 1000 | 891140 |
| WA3027 | MS0410 | 71.4 | Separated | 828 | 53 | 1 | 612.75 | 0 | 1000 | 0 |
| WA3029 | WWTemp2 | 144.9 | Separated | 1252 | 53 | 0 | 612.75 | 7.7 | 1000 | 0 |
| WA3031 | MS0301 | 209.2 | Separated | 0 | 53 | 0 | 612.75 | 1.2 | 1000 | 0 |
| WA3032 | MS0327 | 194.4 | Separated | 1340 | 65 | 0 | 1000 | 0.9 | 1500 | 0 |
| WA3034 | MS0303 | 27.3 | Separated | 131 | 48.96 | 1 | 950.7587 | 0 | 1000 | 0 |
| WA3037A | MS0301 | 249.0 | Separated | 1121 | 53 | 0 | 612.75 | 64.8 | 1000 | 0 |
| WA3037B | WWTemp1 | 222.3 | Separated | 302 | 53 | 0 | 612.75 | 84.4 | 1000 | 0 |
| WA3038 | MS0301 | 73.2 | Separated | 479 | 53 | 2.4 | 612.75 | 7 | 1000 | 0 |
| WA3039 | MS0301 | 50.0 | Separated | 372 | 53 | 0 | 612.75 | 0 | 1000 | 0 |
| WA4001 | MS0411 | 223.4 | Separated | 3340 | 56.4 | 0 | 1000 | 8 | 1500 | 0 |
| WA4002 | MS0411 | 290.9 | Separated | 4925 | 56.4 | 0 | 1000 | 13 | 1500 | 0 |
| WA4003 | MS0410 | 511.4 | Separated | 4749 | 76.5 | 0.9 | 967.5 | 32.9 | 1500 | 0 |
| WA4004 | MS0410 | 365.3 | Separated | 3016 | 76.5 | 48.6 | 967.5 | 5.5 | 1500 | 0 |
| WA4005 | MS0410 | 350.7 | Separated | 2638 | 76.5 | 0 | 967.5 | 5.3 | 1500 | 0 |
| WA4010 | MS0417 | 762.6 | Separated | 1595 | 68 | 262.1 | 900 | 84.3 | 1500 | 335840 |
| WA4016 | MS0417 | 199.1 | Separated | 964 | 68 | 0 | 900 | 2.1 | 1500 | 0 |
| WA4033 | MS0103 | 16.3 | Separated | 209 | 65.52 | 0 | 978.25 | 0.7 | 1500 | 0 |
| WA4035 | MS0411 | 157.5 | Separated | 1629 | 56.4 | 0.8 | 1000 | 1.7 | 1500 | 0 |
| WA4036 | MS0410 | 109.0 | Separated | 729 | 76.5 | 11.2 | 967.5 | 3.6 | 1500 | 0 |
| WE1018 | MS0118 | 149.1 | Separated | 1840 | 95 | 0 | 999.75 | 6.6 | 1500 | 0 |
| WE1032 | MS0117 | 167.7 | Separated | 2301 | 29.7 | 0 | 1000 | 3.9 | 500 | 0 |
| WE1034 | MS0103 | 65.7 | Separated | 1238 | 65.52 | 0 | 978.25 | 1.4 | 1500 | 0 |
| WE1040 | MS0103 | 87.3 | Separated | 1349 | 65.52 | 1.7 | 978.25 | 3.1 | 1500 | 0 |
| WE2001 | MS0235 | 184.9 | Separated | 1016 | 80 | 0 | 1000 | 0 | 1500 | 0 |
| WE2002 | MS0203 | 136.3 | Separated | 2010 | 62.9 | 0 | 814 | 6.9 | 1500 | 0 |
| WE2003 | MS0203 | 140.7 | Separated | 303 | 62.9 | 0 | 814 | 1.5 | 1500 | 0 |
| WE2004 | MS0212 | 493.0 | Separated | 2347 | 68.85 | 0 | 1000 | 78.9 | 1500 | 0 |
| WE2006 | MS0212 | 371.2 | Separated | 3548 | 68.85 | 0.3 | 1000 | 8.5 | 1500 | 0 |
| WE2030 | MS0213 | 14.7 | Separated | 56 | 67 | 0 | 1000 | 0 | 500 | 0 |
| WE2041 | MS0205 | 16.4 | Separated | 0 | 58.9 | 0 | 866.5 | 0 | 1500 | 0 |
| WE3005 | MS0320 | 429.7 | Separated | 2253 | 51 | 38.3 | 677.25 | 123.9 | 1000 | 0 |
| WE3007 | MS0320 | 284.2 | Separated | 165 | 51 | 70.1 | 677.25 | 38.2 | 1000 | 0 |
| WE3008 | MS0320 | 167.5 | Separated | 1840 | 51 | 0.5 | 677.25 | 10.1 | 1000 | 0 |
| WE3009 | MS0319 | 146.8 | Separated | 1130 | 68.4 | 3.2 | 1021.25 | 2.5 | 1500 | 0 |
| WE3010 | WWTemp2 | 386.8 | Separated | 1174 | 53 | 92.9 | 612.75 | 24.5 | 1000 | 0 |
| WE3011 | MS0337 | 219.7 | Separated | 1183 | 65.52 | 18.4 | 978.25 | 1.7 | 1500 | 0 |
| WE3012 | MS0321 | 134.6 | Separated | 2171 | 55.25 | 9.6 | 913.75 | 13.2 | 1500 | 0 |
| WE3013 | MS0309 | 209.2 | Separated | 3073 | 89 | 12.3 | 966.75 | 17 | 2000 | 0 |
| WE3014 | MS0317 | 181.2 | Separated | 1664 | 68.4 | 0.2 | 1000 | 4.5 | 1500 | 0 |
| WE3015 | MS0314 | 191.9 | Separated | 1815 | 68.4 | 0 | 1000 | 3.1 | 1500 | 0 |
| WE3016 | MS0305 | 290.0 | Separated | 2167 | 61.2 | 0 | 1000 | 9.1 | 1500 | 0 |
| WE3017 | MS0316 | 100.2 | Separated | 814 | 91 | 0 | 1000 | 0.7 | 2500 | 0 |
| WE3022 | MS0323 | 240.7 | Separated | 2283 | 90.275 | 0 | 1000 | 25.5 | 1500 | 0 |
| WE3025 | MS0103 | 143.6 | Separated | 0 | 65.52 | 0 | 978.25 | 0 | 1500 | 0 |

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TABLE 5A-5 SHEET 6 OF 7

**BASE SANITARY FLOW AND I/I ANALYSIS – COMPARISON OF CURRENT (2000) TO REVISED 2020 BASELINE CONDITIONS**

2020 TREATMENT REPORT

5/28/07 TR_5A.T005.07.05.28.cdr

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WE3028 | MS0318 | 183.8 | Separated | 2491 | 66 | 12.7 | 500 | 17.1 | 1500 | 129450 | 100 | 164406 | 438.416 | 523.11 | 6350 | 16 | 20 | 25650 | 66 | 79 | 325856 | 521 | 622 | 99568 | 29 | 115 | 2516 | 68 | 11.5 | 1000 | 18.1 | 1500 | 129450 | 100 | 25 | 1700 | 4 | 5 | 0 | 0 | 0 | 1500 | 4 | 5 | -1151 | 0 | 0 | 166106 | 6350 | 27150 | 329056 | 25 |
| WE3029 | WWTemp2 | 300.2 | Separated | 0 | 53 | 0.5 | 612.75 | 0.2 | 1000 | 0 | 0 | 0 | 0 | 0 | 306 | 1 | 1 | 200 | 1 | 1 | 506 | 1 | 2 | 0 | 0 | 0 | 61 | 68 | 0 | 1000 | 0 | 1500 | 0 | 100 | 61 | 4148 | 11 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 1682 | 0 | 2 | 4148 | 306 | 200 | 4654 | 61 |
| WE3031 | WWTemp2 | 193.9 | Separated | 1580 | 53 | 18 | 612.75 | 35.1 | 1000 | 0 | 100 | 83740 | 278.08 | 331.8 | 11030 | 29 | 34 | 35100 | 91 | 108 | 129870 | 397 | 474 | 43046 | 12 | 50 | 1624 | 68 | 20.7 | 1000 | 38.8 | 1500 | 0 | 100 | 44 | 2992 | 8 | 9 | 2700 | 7 | 8 | 2250 | 6 | 7 | 977 | 0 | 1 | 86732 | 13730 | 37350 | 137812 | 44 |
| WE3033 | MS0103 | 140.9 | Separated | 1865 | 66 | 3.7 | 500 | 10.1 | 1500 | 0 | 100 | 123090 | 328.24 | 391.65 | 1850 | 5 | 6 | 15150 | 39 | 47 | 140090 | 372 | 444 | 76377 | 22 | 88 | 1891 | 66 | 3.2 | 1000 | 16 | 1500 | 0 | 100 | 26 | 1768 | 5 | 5 | 0 | 0 | 0 | 8850 | 23 | 27 | 353 | 0 | 0 | 124858 | 1850 | 24000 | 150708 | 26 |
| WE3037 | MS0103 | 29.5 | Separated | 242 | 65.52 | 2.7 | 978.25 | 3.4 | 1500 | 0 | 100 | 15855.84 | 42.592 | 50.82 | 2641 | 7 | 8 | 5100 | 13 | 16 | 23597 | 63 | 75 | 19854 | 6 | 23 | 254 | 68 | 1.4 | 1000 | 3.07 | 1500 | 0 | 100 | 12 | 816 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 16672 | 2641 | 5100 | 24413 | 12 |
| WE3038 | MS0320 | 177.7 | Separated | 1564 | 51 | 14.9 | 677.25 | 3 | 1000 | 0 | 0 | 0 | 275.264 | 328.44 | 10091 | 26 | 31 | 3000 | 8 | 9 | 13091 | 309 | 369 | 1 | 0 | 0 | 1575 | 68 | 14.9 | 1000 | 4.75 | 1500 | 0 | 100 | 1575 | 107100 | 277 | 331 | 0 | 0 | 0 | 2625 | 7 | 8 | 40081 | 12 | 46 | 107100 | 10091 | 5625 | 122816 | 1575 |
| WE3039 | MS0318 | 145.9 | Separated | 2065 | 55.25 | 3.4 | 913.75 | 18.7 | 1500 | 0 | 0 | 0 | 363.44 | 433.65 | 3107 | 8 | 10 | 28050 | 73 | 87 | 31157 | 444 | 530 | 1 | 0 | 0 | 2121 | 68 | 3.4 | 1000 | 20.11 | 1500 | 0 | 100 | 2121 | 144228 | 373 | 445 | 0 | 0 | 0 | 2115 | 5 | 7 | 37744 | 11 | 44 | 144228 | 3107 | 30165 | 177500 | 2121 |
| WE4023 | MS0415 | 331.3 | Separated | 4107 | 80 | 60.3 | 860 | 65.4 | 1500 | 0 | 100 | 328560 | 722.832 | 862.47 | 51858 | 134 | 160 | 98100 | 254 | 303 | 478518 | 1111 | 1325 | 272318 | 79 | 315 | 4451 | 68 | 42.1 | 1000 | 73.46 | 1500 | 0 | 100 | 344 | 23392 | 61 | 72 | 0 | 0 | 0 | 12090 | 31 | 37 | 7206 | 2 | 8 | 351952 | 51858 | 110190 | 514000 | 344 |
| WE4026 | MS0416 | 71.9 | Separated | 0 | 89 | 53.3 | 956.75 | 7.1 | 2500 | 0 | 100 | 0 | 0 | 0 | 50995 | 132 | 157 | 17750 | 46 | 55 | 68745 | 178 | 212 | 80793 | 23 | 93 | 76 | 68 | 32.8 | 1000 | 14.21 | 1500 | 0 | 100 | 76 | 5168 | 13 | 16 | 0 | 0 | 0 | 10665 | 28 | 33 | 2586 | 1 | 3 | 5168 | 50995 | 28415 | 84578 | 76 |
| WE4035 | MS0103 | 108.9 | Separated | 856 | 65.52 | 50.8 | 978.25 | 5.1 | 1500 | 0 | 100 | 56085.12 | 150.656 | 179.76 | 49695 | 128 | 153 | 7650 | 20 | 24 | 113430 | 299 | 357 | 73319 | 21 | 85 | 1106 | 68 | 32.7 | 1000 | 7.18 | 1500 | 0 | 100 | 250 | 17000 | 44 | 53 | 0 | 0 | 0 | 3120 | 8 | 10 | 3914 | 1 | 5 | 73085 | 49695 | 10770 | 133550 | 250 |
| CSSW002 | River | 11.7 | Combined | 0 | 0 | 1.11 | 0 | 0 | 0 | 0 | 100 | 0 | | | 0 | | | 0 | | | 0 | | | | | | 0 | 68 | 1.33 | 1000 | 0 | 1100 | 0 | 100 | 0 | 0 | | | 180 | | | 0 | | | | | | 0 | 180 | 0 | 180 | 0 |
| CSSW003 | River | 152.1 | Combined | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | | | 0 | | | 0 | | | 0 | | | | | | 0 | 68 | 0 | 1000 | 0 | 1100 | 0 | 100 | 0 | 0 | | | 0 | | | 0 | | | | | | 0 | 0 | 0 | 0 | 0 |
| CSSW004 | River | 17.9 | Combined | 0 | 0 | 10.46 | 0 | 0.46 | 0 | 0 | 100 | 0 | | | 0 | | | 0 | | | 0 | | | | | | 0 | 68 | 10.46 | 1000 | 0.46 | 1100 | 0 | 100 | 0 | 0 | | | 0 | | | 0 | | | | | | 0 | 0 | 0 | 0 | 0 |
| CSSW005 | River | 49.8 | Combined | 0 | 0 | 0 | 0 | 0.04 | 0 | 0 | 100 | 0 | | | 0 | | | 0 | | | 0 | | | | | | 0 | 68 | 0 | 1000 | 0.04 | 1100 | 0 | 100 | 0 | 0 | | | 0 | | | 0 | | | | | | 0 | 0 | 0 | 0 | 0 |
| CSSW009 | River | 39.8 | Combined | 189 | 0 | 1.1 | 0 | 2.09 | 0 | 0 | 100 | 0 | | | 0 | | | 0 | | | 0 | | | | | | 189 | 68 | 1.1 | 1000 | 2.89 | 1100 | 0 | 100 | 32 | 2176 | | | 0 | | | 0 | | | | | | 2176 | 0 | 0 | 2176 | 32 |
| River | River | 167.0 | Combined | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | | | 0 | | | 0 | | | 0 | | | | | | 0 | 68 | 0 | 1000 | 0 | 1100 | 0 | 100 | 0 | 0 | | | 0 | | | 0 | | | | | | 0 | 0 | 0 | 0 | 0 |

NOTE:
All grayed sewershed are sewershed that discharge flow to rivers in the MMSD service area. River sewersheds are not served by either WWTP.

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TABLE 5A-5 SHEET 7 OF 7

**BASE SANITARY FLOW AND I/I ANALYSIS – COMPARISON OF CURRENT (2000) TO REVISED 2020 BASELINE CONDITIONS**

2020 TREATMENT REPORT

5/28/07 TR_5A.T005.07.05.28.cdr

| Treatment Plant | Existing Condition | | | 2005 Condition | | | Design Loadings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Flow (MGD) | BOD (lb/d) | TSS (lb/d) | Flow (MGD) | BOD (lb/d) | TSS (lb/d) | Flow (MGD) | BOD (lb/d) | TSS (lb/d) |
| ***JIWWTP*** | | | | | | | | | |
| Average Day | 101.5 | 264,000 | 225,000 | 83.1 | 227,000 | 194,000 | 123 | 299,000 | 314,000 |
| Maximum Day | 354.0 | 769,000 | 1,448,000 | 300.0 | 399,000 | 598,000 | 360 | 687,000 | 722,000 |
| Maximum Week | | 417,000 | 734,000 | | 279,000 | 299,000 | | 478,000 | 534,000 |
| Maximum Month | | 369,000 | 529,000 | | 261,000 | 231,000 | | 388,000 | 440,000 |
| ***SSWWTP*** | | | | | | | | | |
| Average Day | 101.6 | 149,000 | 193,000 | 89.4 | 163,000 | 179,000 | 113 | 224,000 | 266,000 |
| Maximum Day | 307.0 | 470,000 | 842,000 | 250.0 | 481,000 | 443,000 | 250 | 515,200 | 611,800 |
| Maximum Week | | 249,000 | 505,000 | | 261,000 | 364,000 | | 336,000 | 452,200 |
| Maximum Month | | 193,000 | 283,000 | | 199,000 | 252,000 | | 291,200 | 372,400 |
| ***Total WWTP*** | | | | | | | | | |
| Average Day | 203.1 | 413,000 | 418,000 | 172.4 | 390,000 | 373,000 | 236.00 | 523,000 | 580,000 |
| Maximum Day | 661.0 | 1,239,000 | 2,290,000 | 550.0 | 880,000 | 1,041,000 | 610.00 | 1,202,200 | 1,333,800 |
| Maximum Week | | 666,000 | 1,239,000 | | 540,000 | 663,000 | | 814,000 | 986,200 |
| Maximum Month | | 562,000 | 812,000 | | 460,000 | 483,000 | | 679,200 | 812,400 |

| | | | |
|---|---|---|---|
| Total Average | 413,000 | 418,000 | |
| CHECK -- 1999-2003 System Loads | 417,945 | 484,460 | |
| Error | -1.18% | -13.72% | Within 20% acceptable margin of error |

NOTES:
1) Data is from *UWS Daily/Weekly Operation Report* (1999-2003, 2005) [UWS DWOR]
with some verification from UWS on behalf of MMSD, *Discharge Monitoring Report for Permit No. 0036820-1* (1997-2003, 2005) [DMR]
2) CHECK information came from Appendix 4A, *MMSD Annual Average Flow and Wasteload Review* .

MMSD Accounting Records Data

| | ACTUAL 1999 | ACTUAL 2000 | ACTUAL 2001 | ACTUAL 2002 | ACTUAL 2003 | **Average** |
|---|---|---|---|---|---|---|
| System BOD | 428,803 | 432,851 | 414,040 | 410,027 | 404,006 | **417,945** |
| System TSS | 487,194 | 482,621 | 482,360 | 485,961 | 484,163 | **484,460** |

3) Certain influent data from UWS DWORs appeared too high. Data was checked against DMRs - if the DMR included the data in the monthly averages,
the UWS DWOR data was included in analysis; if DMR indicated that data was not used in monthly averages because did not represent realistic sample, UWS DWOR data was excluded.
4) The sum of the rounded components may not equal the total due to rounding.
5) Maximum day design flow listed for JIWWTP includes the additional 60 MGD of allowable blending per WPDES permit.

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TABLE 5A-6
**EXISTING CONDITION WWTP FLOWS AND WASTELOADS**
2020 TREATMENT REPORT
5/28/07 TR_5A.T006.07.05.28.cdr

## JIWWTP ANALYSIS

| Year | Average Data | | | Maximum Flow Analysis | | | | | | Maximum BOD Analysis | | | | | | | | | | | | Maximum TSS Analysis | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Flow | BOD | TSS | Max Flow | Date | BOD | % of Ave | TSS | % of Ave | Max Day BOD | Date | Flow | % of Ave | Max Week BOD | Date | Flow | % of Ave | Max Month BOD | Date | Flow | % of Ave | Max Day TSS | Date | Flow | % of Ave | Max Week TSS | Date | Flow | % of Ave | Max Month TSS | Date | Flow | % of Ave |
| | (MGD) | (lb/day) | (lb/day) | (MGD) | | (lb/day) | (%) | (lb/day) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) |
| 1999 | **109** | **272,657** | **259,500** | 350 | 4/23/1999 | 350,280 | 128.5 | 408,660 | 157.5 | 620,496 | 1/22/1999 | 248 | 227.8 | 417,048 | 2/16/1999 | 131 | 120.7 | 369,033 | 2/28/1999 | 116 | 106.5 | 1,447,824 | 1/22/1999 | 248 | 227.8 | 734,230 | 2/4/1999 | 127 | 117.1 | 529,133 | 2/28/1999 | 116 | 106.5 |
| 2000 | **109** | **272,184** | **216,207** | 354 | 5/18/2000 | 442,854 | 162.7 | 625,900 | 289.5 | 537,096 | 11/29/2000 | 140 | 128.2 | 386,285 | 12/2/2000 | 99 | 90.5 | 325,282 | 1/31/2000 | 87 | 79.6 | 832,666 | 5/13/2000 | 195 | 178.5 | 443,688 | 5/18/2000 | 175 | 160.6 | 306,967 | 9/30/2000 | 149 | 136.0 |
| 2001 | **110** | **277,145** | **261,982** | 321 | 2/9/2001 | 267,714 | 96.6 | 696,056 | 265.7 | 626,417 | 6/12/2001 | 259 | 236.0 | 416,512 | 6/12/2001 | 142 | 129.8 | 309,710 | 1/31/2001 | 104 | 95.2 | 1,262,009 | 4/9/2001 | 194 | 176.7 | 578,546 | 6/14/2001 | 166 | 151.2 | 411,657 | 6/30/2001 | 137 | 125.1 |
| 2002 | **97** | **251,539** | **196,103** | 297 | 4/9/2002 | 297,238 | 118.2 | 247,698 | 126.3 | 588,470 | 9/7/2002 | 147 | 151.7 | 326,797 | 9/13/2002 | 93 | 96.1 | 275,843 | 6/30/2002 | 123 | 126.7 | 735,588 | 3/8/2002 | 180 | 185.7 | 297,392 | 3/14/2002 | 140 | 144.3 | 227,825 | 4/30/2002 | 131 | 134.7 |
| 2003 | **83** | **246,390** | **189,729** | 198 | 5/9/2003 | 181,645 | 73.7 | 313,751 | 165.4 | 768,531 | 9/15/2003 | 97 | 117.1 | 351,090 | 9/21/2003 | 78 | 93.6 | 276,530 | 7/31/2003 | 81 | 97.2 | 581,131 | 4/4/2003 | 134 | 161.7 | 326,615 | 3/19/2003 | 87 | 105.6 | 229,000 | 5/31/2003 | 111 | 133.6 |
| 2004 | **93** | **241,774** | **172,093** | 279 | 5/22/2004 | 230,359 | 95.3 | 279,223 | 162.3 | 630,838 | 4/20/2004 | 122 | 131.0 | 389,716 | 4/25/2004 | 116 | 125.0 | 304,449 | 4/30/2004 | 90 | 96.4 | 599,813 | 11/1/2004 | 116 | 124.5 | 263,532 | 5/14/2004 | 165 | 177.4 | 207,945 | 5/31/2004 | 154 | 165.2 |
| 2005 | **83** | **226,597** | **193,680** | 189 | 1/13/2005 | 220,676 | 97.4 | 299,489 | 154.6 | 398,986 | 5/19/2005 | 184 | 221.5 | 279,354 | 4/11/2005 | 104 | 125.4 | 260,508 | 4/30/2005 | 87 | 105.2 | 598,478 | 5/19/2005 | 184 | 221.5 | 299,084 | 4/22/2005 | 79 | 94.9 | 230,665 | 4/30/2005 | 87 | 105.2 |
| Average | | | | | | | 110.3 | | 188.7 | | | | 173.3 | | | | 111.6 | | | | 101.0 | | | | 182.4 | | | | 135.9 | | | | 129.5 |

## SSWWTP ANALYSIS

| Year | Average Data | | | Maximum Flow Analysis | | | | | | Maximum BOD Analysis | | | | | | | | | | | | Maximum TSS Analysis | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Flow | BOD | TSS | Max Flow | Date | BOD | % of Ave | TSS | % of Ave | Max Day BOD | Date | Flow | % of Ave | Max Week BOD | Date | Flow | % of Ave | Max Month BOD | Date | Flow | % of Ave | Max Day TSS | Date | Flow | % of Ave | Max Week TSS | Date | Flow | % of Ave | Max Month TSS | Date | Flow | % of Ave |
| | (MGD) | (lb/day) | (lb/day) | (MGD) | | (lb/day) | (%) | (lb/day) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) | (lb/day) | | (MGD) | (%) |
| 1999 | **111** | **146,608** | **185,597** | 307 | 4/23/1999 | 107,536 | 73.3 | 209,951 | 113.1 | 470,376 | 9/28/1999 | 282 | 253.3 | 249,140 | 9/30/1999 | 136 | 121.8 | 176,431 | 10/31/1999 | 82 | 73.8 | 841,973 | 9/28/1999 | 282 | 253.3 | 374,387 | 9/30/1999 | 136 | 121.8 | 223,926 | 5/31/1999 | 144 | 129.7 |
| 2000 | **107** | **129,873** | **171,552** | 304 | 7/2/2000 | 329,597 | 253.8 | 212,970 | 124.1 | 329,597 | 7/2/2000 | 304 | 284.2 | 185,176 | 7/30/2000 | 110 | 102.6 | 147,878 | 7/31/2000 | 123 | 115.4 | 496,931 | 4/20/2000 | 266 | 248.7 | 263,260 | 7/29/2000 | 107 | 99.8 | 201,699 | 12/31/2000 | 74 | 69.6 |
| 2001 | **106** | **141,422** | **193,767** | 231 | 4/10/2001 | 250,450 | 177.1 | 308,246 | 159.1 | 282,726 | 4/9/2001 | 226 | 213.1 | 238,899 | 6/26/2001 | 106 | 99.6 | 157,504 | 6/30/2001 | 130 | 122.7 | 550,774 | 6/20/2001 | 127 | 119.8 | 504,695 | 6/26/2001 | 106 | 99.6 | 232,496 | 6/30/2001 | 130 | 122.7 |
| 2002 | **96** | **158,940** | **195,353** | 208 | 8/13/2002 | 277,555 | 174.6 | 225,514 | 115.4 | 299,906 | 2/10/2002 | 124 | 128.9 | 195,442 | 5/13/2002 | 120 | 124.3 | 176,501 | 11/30/2002 | 88 | 91.2 | 475,714 | 2/10/2002 | 124 | 128.9 | 274,589 | 6/12/2002 | 133 | 138.1 | 215,232 | 6/30/2002 | 114 | 118.1 |
| 2003 | **87** | **166,149** | **220,734** | 251 | 5/9/2003 | 272,134 | 163.8 | 439,601 | 199.2 | 380,304 | 11/14/2003 | 76 | 87.1 | 234,199 | 11/5/2003 | 132 | 151.1 | 192,926 | 9/30/2003 | 72 | 82.1 | 716,573 | 11/3/2003 | 179 | 205.1 | 404,919 | 11/8/2003 | 147 | 168.6 | 282,896 | 9/30/2003 | 72 | 82.1 |
| 2004 | **111** | **169,939** | **229,303** | 307 | 5/23/2004 | 102,415 | 60.3 | 204,830 | 89.3 | 433,680 | 12/9/2004 | 100 | 90.1 | 240,299 | 12/11/2004 | 108 | 96.9 | 205,013 | 12/31/2004 | 85 | 76.4 | 711,652 | 3/1/2004 | 161 | 145.1 | 420,848 | 3/7/2004 | 205 | 184.5 | 307,797 | 3/31/2004 | 159 | 143.1 |
| 2005 | **89** | **162,558** | **178,950** | 277 | 1/13/2005 | 254,120 | 156.3 | 346,527 | 193.6 | 480,884 | 11/6/2005 | 186 | 208.2 | 260,542 | 12/28/2005 | 77 | 85.9 | 198,770 | 9/30/2005 | 85 | 94.8 | 443,104 | 9/26/2005 | 231 | 258.5 | 364,291 | 9/22/2005 | 75 | 83.8 | 251,968 | 9/30/2005 | 85 | 94.8 |
| Average | | | | | | | 151.3 | | 142.0 | | | | 180.7 | | | | 111.7 | | | | 93.8 | | | | 194.2 | | | | 128.0 | | | | 108.6 |

**SUMMARY ANALYSIS**

**JIWWTP**

When Flow is at Maximum Day
BOD 110.3 % of Average Day
TSS 188.7 % of Average Day

When BOD & TSS at Maximum Day [1]
Flow 177.8 % of Average Day

When BOD & TSS at Maximum Week [1]
Flow 123.7 % of Average Day

When BOD & TSS at Maximum Month [1]
Flow 115.2 % of Average Day

**SSWWTP**

When Flow is at Maximum Day
BOD 151.3 % of Average Day
TSS 142.0 % of Average Day

When BOD & TSS at Maximum Day [1]
Flow 187.5 % of Average Day

When BOD & TSS at Maximum Week [1]
Flow 119.9 % of Average Day

When BOD & TSS at Maximum Month [1]
Flow 101.2 % of Average Day

NOTES
1) % is an average of the Maximum BOD and TSS analyses for 1999-2005 above
2) Raw data used for analysis is from UWS, *Daily/Weekly Operating Report* (1999-2005) [UWS DWOR]
with some verification from UWS on behalf of MMSD, *Discharge Monitoring Report for Permit No. 0036820-1* (1997-2003, 2005) [DMR]
3) For Maximum Week and Maximum Month BOD & TSS for each yearly analysis, the Date value is the last day of the week or month for which the maximum value occurred and the Flow value is the average of the flows from the same week or month.

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TABLE 5A-7
**EXISTING CONDITION MAXIMUM FLOW AND LOAD ANALYSIS**
2020 TREATMENT REPORT
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## Total

| Date | Flow | BOD | Weekly BOD | Monthly BOD | TSS | Weekly TSS | Monthly TSS | Phosphorus | Ammonia | Nitrate N | TKN | Oil & Grease | Selenium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGD | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d |
| 3/29/00 | 0.801 | 54342 | | 54342 | 7440 | | 7440 | | | | | | |
| 3/30/00 | 0.633 | 41381 | | 47861 | 13600 | | 10520 | | | | | 42 | |
| 3/31/00 | 0.789 | 53864 | | 49862 | 15047 | | 12029 | | | | | | |
| 4/1/00 | 0.465 | 27638 | | 44306 | 5270 | | 10339 | | | | | | |
| 4/2/00 | 0.856 | 85035 | | 52452 | 17063 | | 11684 | | | | | | |
| 4/3/00 | 0.790 | 55258 | | 52920 | 6030 | | 10742 | | | | | | |
| 4/4/00 | 0.886 | 77976 | 56499 | 56499 | 12160 | 10944 | 10944 | | | | | | |
| 8/14/00 | 0.894 | 52299 | 56207 | 55974 | 9746 | 11274 | 10794 | | | | | | |
| 8/15/00 | 0.782 | 45554 | 56803 | 54816 | 4975 | 10042 | 10148 | | | | | 95 | |
| 8/16/00 | 0.858 | | | 54816 | 7247 | | 9858 | | | | | | |
| 8/17/00 | 0.832 | 49990 | 56250 | 54334 | 4228 | 8496 | 9346 | | | | | | |
| 8/18/00 | 0.942 | 64426 | 61506 | 55251 | 7723 | 8846 | 9211 | | | | | | |
| 8/19/00 | 0.902 | 54309 | 57116 | 55173 | 6793 | 7379 | 9025 | | | | | | |
| 8/20/00 | 0.815 | 53261 | 56831 | 55026 | 20245 | 9410 | 9826 | | | | | | |
| 10/9/00 | | | | | | | | | | | | | |
| 10/10/00 | | | | | | | | | | | | | |
| 10/11/00 | | | | | | | | | | | | | |
| 10/12/00 | | | | | | | | | | | | | |
| 10/13/00 | | | | | | | | | | | | | |
| 10/14/00 | | | | | | | | | | | | | |
| 10/15/00 | | | | | | | | | | | | | |
| 2/19/01 | 0.562 | 26092 | 49419 | 52959 | 5975 | 8526 | 9569 | | | | | | |
| 2/20/01 | 1.073 | 78511 | 53163 | 54662 | 8830 | 8395 | 9523 | | | | | 561 | |
| 2/21/01 | 0.914 | 64638 | 55890 | 55286 | 9700 | 9070 | 9534 | | | | | | |
| 2/22/01 | | | | | | | | | | | | | |
| 2/23/01 | 0.950 | | | | 23050 | 11759 | | | | | | | |
| 2/24/01 | 0.494 | 53756 | 56427 | 55196 | 7112 | 11672 | 10118 | | | | | | |
| 2/25/01 | 0.830 | 77672 | 58320 | 56445 | 17822 | 13248 | 10503 | | | | | | |
| 2/26/01 | | | | | | | | | | | | | |
| 5/14/01 | 0.831 | 57431 | 58766 | 56496 | 9386 | 11296 | 10450 | | | | | | |
| 5/15/01 | 0.897 | 75269 | 61910 | 57435 | 11674 | 10071 | 10505 | | | | | | |
| 5/16/01 | 0.940 | 66969 | 67749 | 57889 | 14131 | 11236 | 10663 | | | | | | |
| 5/17/01 | 0.778 | 51895 | 63947 | 57617 | 8173 | 11143 | 10559 | | | | | | |
| 5/18/01 | 0.958 | 52879 | 62267 | 57411 | 14369 | 11810 | 10712 | | | | | | |
| 5/19/01 | 0.958 | 83072 | 66455 | 58480 | 12790 | 12621 | 10791 | | | | | | |
| 5/20/01 | | | | | | | | | | | | | |
| 5/21/01 | | | | | | | | | | | | | |
| 9/17/01 | 0.397 | 9783 | 56757 | 56532 | 3319 | 10549 | 10515 | | | | | | |
| 9/18/01 | 0.619 | 31800 | 53095 | 55581 | 6351 | 10115 | 10366 | | | | | | |
| 9/19/01 | 0.589 | 19913 | 45187 | 54260 | 11423 | 10079 | 10402 | | | | | | |
| 9/20/01 | 0.816 | 51113 | 42922 | 54147 | 5198 | 8803 | 10229 | | | | | | |
| 9/21/01 | 0.805 | 49604 | 42595 | 53991 | 10712 | 9166 | 10245 | | | | | | |
| 9/22/01 | 0.850 | 48304 | 41941 | 53801 | 10787 | 8654 | 10261 | | | | | | |
| 9/23/01 | 0.730 | 43643 | 36309 | 53444 | 6330 | 7731 | 10227 | | | | | | |
| 11/28/01 | 0.804 | | | | | | | 621 | | | | | |
| 11/29/01 | | | | | | | | | | | | | |
| 11/30/01 | 0.767 | | | | | | | 273 | | | | | |
| 12/1/01 | 0.574 | | | | | | | 620 | | | | | |
| 12/2/01 | 0.170 | | | | | | | 38 | | | | | |
| 12/3/01 | 4.025 | | | | | | | 3119 | | | | | |
| 12/4/01 | 0.829 | | | | | | | 573 | | | | | |
| 12/5/01 | 0.912 | | | | | | | 360 | | | | | |
| 12/6/01 | 0.800 | | | | | | | 374 | | | | | |
| 12/7/01 | 0.812 | | | | | | | 376 | | | | | |
| 12/8/01 | 0.709 | | | | | | | 623 | | | | | |
| 12/9/01 | 0.793 | | | | | | | 1040 | | | | | |
| 12/10/01 | 0.836 | | | | | | | 485 | | | | | |
| 12/11/01 | | | | | | | | | | | | | |
| 12/12/01 | 0.781 | | | | | | | 401 | | | | | |
| 12/13/01 | 0.826 | | | | | | | 2461 | | | | | |
| 12/14/01 | 0.910 | | | | | | | 427 | | | | | |
| 12/15/01 | 0.771 | | | | | | | 923 | | | | | |
| 12/16/01 | 0.861 | | | | | | | 1086 | | | | | |
| 12/17/01 | 0.805 | | | | | | | 777 | | | | | |
| 12/18/01 | 0.879 | | | | | | | 1014 | | | | | |
| 12/19/01 | 0.821 | | | | | | | 990 | | | | | |
| 12/20/01 | 0.789 | | | | | | | 1164 | | | | | |
| 12/26/01 | | | | | | | | | | | | | |
| 12/27/01 | 0.817 | | | | | | | 964 | | | | | |
| 1/1/02 | 0.651 | | | | | | | 669 | | | | | |
| 1/2/02 | 0.869 | | | | | | | 887 | | | | | |
| 1/3/02 | 0.839 | | | | | | | 702 | | | | | |
| 1/7/02 | 0.833 | | | | | | | 747 | | | | | |
| 1/8/02 | 0.896 | | | | | | | 764 | | | | | |
| 1/9/02 | 0.774 | | | | | | | 584 | | | | | |

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TABLE 5A-8 SHEET 1 OF 4

**LESAFFRE YEAST DATA**

2020 TREATMENT REPORT

5/28/07 TR_5A.T008.07.05.28.cdr

| Date | Flow | BOD | Weekly BOD | Monthly BOD | TSS | Weekly TSS | Monthly TSS | Phosphorus | Ammonia | Nitrate N | TKN | Oil & Grease | Selenium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGD | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d |
| 1/10/02 | 0.848 | | | | | | | 707 | | | | | |
| 1/13/02 | 0.168 | | | | | | | 25 | | | | | |
| 1/14/02 | 0.581 | | | | | | | 351 | | | | | |
| 1/15/02 | 0.914 | | | | | | | 604 | | | | | |
| 1/16/02 | 0.937 | | | | | | | 737 | | | | | |
| 1/17/02 | 0.854 | | | | | | | 557 | | | | | |
| 1/20/02 | 0.305 | | | | | | | 165 | | | | | |
| 1/22/02 | 0.874 | | | | | | | 840 | | | | | |
| 1/23/02 | 0.762 | | | | | | | 395 | | | | | |
| 1/24/02 | 0.844 | | | | | | | 552 | | | | | |
| 1/27/02 | 0.136 | | | | | | | 40 | | | | | |
| 1/28/02 | 0.513 | | | | | | | 501 | | | | | |
| 1/29/02 | 0.798 | | | | | | | 387 | | | | | |
| 1/30/02 | 0.822 | | | | | | | 369 | | | | | |
| 1/31/02 | 0.856 | | | | | | | 760 | | | | | |
| 4/22/02 | 0.687 | 20913 | | 20913 | 7453 | | 7453 | 446 | | | | | |
| 4/23/02 | 0.864 | 41199 | | 31056 | 14474 | | 10963 | 358 | | | | | |
| 4/24/02 | 1.057 | 37693 | | 33269 | 5008 | | 8978 | 375 | | | | 583 | |
| 4/25/02 | 0.962 | 37018 | | 34206 | 9466 | | 9100 | 635 | | | | | |
| 4/26/02 | 0.760 | 24205 | | 32206 | 8261 | | 8932 | 401 | | | | | |
| 4/27/02 | 0.817 | 30427 | | 31909 | 8186 | | 8808 | 625 | | | | | |
| 4/28/02 | 0.747 | 44521 | 33711 | 33711 | 7978 | 8689 | 8689 | 245 | | | | | |
| 8/4/02 | 0.131 | 1306 | 30910 | 29660 | 585 | 7708 | 7676 | | | | | | |
| 8/5/02 | 0.500 | 11649 | 26689 | 27659 | 3526 | 6144 | 7215 | | | | | 72 | |
| 8/6/02 | 0.759 | 31514 | 25806 | 28045 | 5733 | 6248 | 7067 | | | | | | |
| 8/7/02 | 0.754 | 27767 | 24484 | 28019 | 4255 | 5503 | 6811 | | | | | | |
| 8/8/02 | 0.819 | 37503 | 26384 | 28810 | 5874 | 5162 | 6733 | | | | | | |
| 8/9/02 | 0.950 | 71070 | 32190 | 32060 | 17051 | 6429 | 7527 | | | | | | |
| 8/10/02 | 0.825 | 41560 | 31767 | 32739 | 10818 | 6835 | 7762 | | | | | | |
| 10/27/02 | | | | | | | | | | | | | |
| 11/7/02 | | | | | | | | | | | | | |
| 3/17/03 | 1.070 | 49915 | 38711 | 33884 | 4908 | 7452 | 7572 | | | | | 59 | |
| 3/18/03 | 1.025 | 48705 | 44005 | 34810 | 7064 | 7958 | 7540 | | | | | | |
| 3/19/03 | 0.933 | 50016 | 46648 | 35705 | 8690 | 8380 | 7608 | | | | | | |
| 3/20/03 | 1.010 | 44077 | 48978 | 36170 | 4957 | 8480 | 7460 | | | | | | |
| 3/21/03 | 1.036 | 46259 | 50229 | 36701 | 5940 | 8490 | 7380 | | | | | | |
| 3/22/03 | 0.006 | 29 | 40080 | 34867 | 7 | 6055 | 7012 | | | | | | |
| 3/23/03 | 0.507 | 3883 | 34698 | 33392 | 956 | 4646 | 6723 | | | | | | |
| 4/22/03 | 0.912 | | | | | | | 414 | | | | | 3 |
| 7/2/03 | | | | | | | | | | | | | |
| 7/20/03 | 0.494 | 2175 | 27878 | 31973 | 1124 | 4105 | 6469 | 243 | | | | | |
| 7/21/03 | 0.822 | 18246 | 23526 | 31376 | 1971 | 3378 | 6273 | 595 | | | | | |
| 7/22/03 | 1.063 | 59562 | 24890 | 32551 | 2934 | 2555 | 6134 | 681 | | | | 82 | |
| 7/23/03 | 1.012 | 62474 | 27518 | 33747 | 15053 | 3998 | 6491 | 751 | | | | | |
| 7/24/03 | 1.043 | 45901 | 27467 | 34215 | 4395 | 3777 | 6410 | 621 | | | | | |
| 7/25/03 | 0.978 | 40480 | 33246 | 34447 | 3600 | 4290 | 6306 | 998 | | | | | |
| 7/26/03 | 1.005 | 51323 | 40023 | 35050 | 9917 | 5571 | 6435 | 364 | | | | | |
| 8/7/03 | 0.931 | | | | | | | 650 | | | | | 35 |
| 8/12/03 | 0.877 | | | | | | | 549 | | | | | 16 |
| 8/13/03 | 0.990 | | | | | | | 467 | | | | | 6 |
| 10/9/03 | | | | | | | | | | | | | |
| 11/6/03 | | | | | | | | | | | | | |
| 11/19/03 | | | | | | | | | | | | | |
| 12/18/03 | | | | | | | | | | | | | |
| 12/22/03 | | | | | | | | | | | | | |
| 1/18/04 | 0.436 | 2992 | 40140 | 33944 | 772 | 5520 | 6240 | 15 | | | | | |
| 1/19/04 | 0.466 | 3897 | 38090 | 32943 | 1551 | 5460 | 6083 | 205 | | | | 13 | |
| 1/20/04 | 0.668 | | | | | | | | | | | | |
| 1/21/04 | 0.873 | 64896 | 38852 | 34409 | 4023 | 5616 | 5969 | 310 | | | | | |
| 1/22/04 | 0.729 | 26698 | 33741 | 33925 | 5921 | 4311 | 5684 | 572 | | | | | |
| 1/23/04 | 0.822 | 78039 | 38332 | 35270 | 11129 | 5273 | 5888 | 348 | | | | | |
| 1/24/04 | 0.742 | 31660 | 37072 | 35092 | 9903 | 6174 | 5903 | 443 | | | | | |
| 1/25/04 | | | | | | | | | | | | | |
| 2/23/04 | | | | | | | | | | | | | |
| 5/19/04 | | | | | | | | | | | | | |
| 6/14/04 | | | | | | | | | | | | | |
| 6/17/04 | | | | | | | | | | | | | |
| 7/20/04 | 0.978 | 28267 | 33778 | 35227 | 5230 | 5504 | 5802 | 504 | | | | | |
| 7/21/04 | 0.897 | 50253 | 40530 | 35888 | 12738 | 7214 | 5953 | 346 | | | | 11 | |
| 7/22/04 | 1.017 | 41444 | 45894 | 35785 | 6665 | 7944 | 5910 | 588 | | | | | |
| 7/23/04 | 0.989 | 46633 | 43285 | 37296 | 2031 | 7660 | 5958 | 644 | | | | | |
| 7/24/04 | 1.064 | 47001 | 46185 | 38475 | 3824 | 7360 | 5968 | 553 | | | | | |
| 7/25/04 | 1.050 | 48517 | 41968 | 39041 | 3464 | 6265 | 5892 | 518 | | | | | |
| 7/26/04 | 0.781 | 29267 | 41626 | 39091 | 2586 | 5220 | 5836 | 478 | | | | | |
| 9/29/04 | | | | | | | | | | | | | |

Preserving The Environment • Improving Water Quality

TABLE 5A-8 SHEET 2 OF 4

**LESAFFRE YEAST DATA**

2020 TREATMENT REPORT

5/28/07 TR_5A.T008.07.05.28.cdr

## Total

| Date | Flow | BOD | Weekly BOD | Monthly BOD | TSS | Weekly TSS | Monthly TSS | Phosphorus | Ammonia | Nitrate N | TKN | Oil & Grease | Selenium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGD | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d |
| 10/12/04 | | | | | | | | | | | | | |
| 10/18/04 | 0.722 | 12687 | 39400 | 38264 | 3388 | 4957 | 5754 | 467 | | | | | |
| 10/19/04 | 0.935 | 63224 | 41253 | 38003 | 9778 | 4534 | 5511 | 552 | | | | | |
| 10/20/04 | 1.014 | 60158 | 43927 | 38623 | 2410 | 3926 | 5231 | 463 | | | | 62 | |
| 10/21/04 | 0.956 | 48018 | 44125 | 38559 | 7788 | 4748 | 5327 | 801 | | | | | |
| 10/22/04 | 0.842 | 56802 | 45525 | 38829 | 5799 | 5030 | 5285 | 352 | | | | | |
| 10/23/04 | 0.761 | 26145 | 42329 | 38034 | 3701 | 5064 | 5118 | 350 | | | | | |
| 10/24/04 | 0.449 | 4706 | 38820 | 36721 | 2027 | 4984 | 5021 | 304 | | | | | |
| 11/4/04 | | | | | | | | | | | | | |
| 11/17/04 | | | | | | | | | | | | | |
| 12/1/04 | | | | | | | | | | | | | |
| 12/8/04 | | | | | | | | | | | | | |
| 12/15/04 | | | | | | | | | | | | | |
| 1/6/05 | | | | | | | | | | | | | |
| 1/6/05 | | | | | | | | | | | | | |
| 1/11/05 | | | | | | | | | | | | | |
| 1/11/05 | | | | | | | | | | | | | |
| 1/27/05 | | | | | | | | | | | | | |
| 1/27/05 | | | | | | | | | | | | | |
| 1/28/05 | | | | | | | | | | | | | |
| 1/28/05 | | | | | | | | | | | | | |
| 1/29/05 | | | | | | | | | | | | | |
| 1/29/05 | | | | | | | | | | | | | |
| 2/1/05 | | | | | | | | | | | | | |
| 2/1/05 | | | | | | | | | | | | | |
| 2/2/05 | | | | | | | | | | | | | |
| 2/2/05 | | | | | | | | | | | | | |
| 2/7/05 | 0.739 | 15724 | 39254 | 35703 | 2553 | 4865 | 4908 | 357 | 201 | 26.333 | 1325 | | |
| 2/7/05 | | | | | | | | | | 8.672 | | | |
| 2/8/05 | 0.984 | 61793 | 39050 | 37762 | 25074 | 7050 | 5743 | 656 | 351 | 38.468 | 4519 | | |
| 2/8/05 | | | | | | | | | | 45.147 | | | |
| 2/9/05 | 0.995 | 66301 | 39927 | 39843 | 15352 | 8899 | 6223 | 685 | 580 | 28.329 | 4818 | | |
| 2/9/05 | | | | | | | | | | 51.160 | | | |
| 2/10/05 | 0.919 | 64353 | 42261 | 41915 | 9332 | 9120 | 6497 | 570 | 499 | 2.895 | 4280 | | |
| 2/10/05 | | | | | | | | | | 6.773 | | | |
| 2/11/05 | 0.946 | 68693 | 43960 | 43597 | 15682 | 10532 | 6954 | 666 | 581 | 1.690 | 4553 | 226 | |
| 2/11/05 | | | | | | | | | | 6.166 | | | |
| 2/12/05 | 1.006 | 56470 | 48292 | 43494 | 7691 | 11102 | 7113 | 629 | 223 | 5.837 | 4301 | | |
| 2/12/05 | | | | | | | | | | 5.942 | | | |
| 2/13/05 | | | | | | | | | | | | | |
| 2/13/05 | | | | | | | | | | | | | |
| 2/16/05 | | | | | | | | | | | | | |
| 2/16/05 | | | | | | | | | | | | | |
| 2/22/05 | | | | | | | | | | | | | |
| 2/22/05 | | | | | | | | | | | | | |
| 2/24/05 | | | | | | | | | | | | | |
| 2/24/05 | | | | | | | | | | | | | |
| 3/3/05 | | | | | | | | | | | | | |
| 3/3/05 | | | | | | | | | | | | | |
| 3/8/05 | | | | | | | | | | | | | |
| 3/8/05 | | | | | | | | | | | | | |
| 3/9/05 | | | | | | | | | | | | | |
| 3/9/05 | | | | | | | | | | | | | |
| 3/10/05 | | | | | | | | | | | | | |
| 3/10/05 | | | | | | | | | | | | | |
| 3/15/05 | | | | | | | | | | | | | |
| 3/15/05 | | | | | | | | | | | | | |
| 3/16/05 | | | | | | | | | | | | | |
| 3/16/05 | | | | | | | | | | | | | |
| 3/22/05 | | | | | | | | | | | | | |
| 3/22/05 | | | | | | | | | | | | | |
| 3/23/05 | | | | | | | | | | | | | |
| 3/23/05 | | | | | | | | | | | | | |
| 3/29/05 | | | | | | | | | | | | | |
| 3/29/05 | | | | | | | | | | | | | |
| 4/5/05 | | | | | | | | | | | | | |
| 4/5/05 | | | | | | | | | | | | | |
| 4/12/05 | | | | | | | | | | | | | |
| 4/12/05 | | | | | | | | | | | | | |
| 4/19/05 | | | | | | | | | | | | | |

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TABLE 5A-8 SHEET 3 OF 4

**LESAFFRE YEAST DATA**

2020 TREATMENT REPORT

5/28/07 TR_5A.T008.07.05.28.cdr

## Total

| Date | Flow | BOD | Weekly BOD | Monthly BOD | TSS | Weekly TSS | Monthly TSS | Phosphorus | Ammonia | Nitrate N | TKN | Oil & Grease | Selenium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGD | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d | lb/d |
| 4/19/05 | | | | | | | | | | | | | |
| 4/20/05 | | | | | | | | | | | | | |
| 4/20/05 | | | | | | | | | | | | | |
| 4/21/05 | | | | | | | | | | | | | |
| 4/21/05 | | | | | | | | | | | | | |
| 4/26/05 | | | | | | | | | | | | | |
| 4/26/05 | | | | | | | | | | | | | |
| 4/27/05 | | | | | | | | | | | | | |
| 4/27/05 | | | | | | | | | | | | | |
| **2000-2005** | | | | | | | | | | | | | |
| Average | 0.820 | 44044 | 43586 | 42141 | 7992 | 7548 | 8004 | 596 | 406 | 19 | 3966 | 164 | 15 |
| Maximum | 4.025 | 85035 | 67749 | 58480 | 25074 | 13248 | 12029 | 3119 | 581 | 51 | 4818 | 583 | 35 |
| Minimum | 0.006 | 29 | 23526 | 20913 | 7 | 2555 | 4908 | 15 | 201 | 2 | 1325 | 11 | 3 |
| **2002-2005** | | | | | | | | | | | | | |
| Average | 0.802 | 38630 | 37655 | 34794 | 6678 | 6171 | 6691 | | | | | | |
| Maximum | 1.070 | 78039 | 50229 | 43597 | 25074 | 11102 | 10963 | | | | | | |
| Minimum | 0.006 | 29 | 23526 | 20913 | 7 | 2555 | 4908 | | | | | | |

NOTES:
1) Data provided by MMSD personnel, 5/4/05
2) LeSaffre has two major sewer discharges - Connection 5 and Connection 8 - the two connections were summed together to get total loading information
3) After reviewing 2000-2001 data versus 2002-2005 data, chose only to take 2002-2005 data. Data from 2002-2005 indicated trends that increase, while data from 2000-2005 indicated downward trends, which may skew data less than it should be.
4) Average Flow, BOD and TSS values were taken from the monthly bills 1/2002 - 4/2005
5) Maximum Flow, BOD and TSS values were taken from the intermittent testing data from the MMSD lab from 1/2002 - 4/2005 (54 data points)
6) Maximum Week Data was determined by taking 7-day averages of all the data that was available
7) Maximum Month Data was determined by taking 30-day averages of all the data that was available, if possible

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TABLE 5A-8 SHEET 4 OF 4
**LESAFFRE YEAST DATA**
2020 TREATMENT REPORT
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