

RAW INFLUENT STRENGTH (Heart of the Valley Metropolitan Sewerage Facility)

June 2022

| MONTH | FLOW | | TSS | | | BOD | | | TOTAL PHOSPHORUS | | | AMMONIA | | | CHLORIDE | | |
|---------------------|----------------------|------------|-------------|--------------|------------------|-------------|--------------|------------------|------------------|--------------|------------------|-------------|--------------|------------------|-------------|--------------|------------------|
| | Million * Gallons | Avg MGD | Avg mg/L | Avg #/day | Total #/Month | Avg mg/L | Avg #/day | Total # Month | Avg mg/L | Avg #/day | Total # Month | Avg mg/L | Avg #/day | Total # Month | Avg mg/L | Avg #/day | Total # Month |
| Jan | 144.3 | 4.7 | 264 | 10,292 | 319,047 | 351 | 13,608 | 421,860 | 6.54 | 253 | 7,858 | 50.2 | 1947 | 60,352 | 722 | 28,567 | 857,010 |
| Feb | 129.3 | 4.6 | 267 | 10,291 | 288,149 | 375 | 14,417 | 403,684 | 6.64 | 256 | 7,158 | 46.7 | 1765 | 49,409 | 859 | 33,186 | 929,200 |
| Mar | 236.2 | 7.6 | 203 | 11,759 | 352,759 | 259 | 14,736 | 456,826 | 4.42 | 250 | 7,758 | 32.5 | 1795 | 55,652 | 716 | 41,706 | 1,292,877 |
| Apr | 272.3 | 9.1 | 147 | 10,865 | 325,941 | 184 | 13,580 | 407,390 | 3.28 | 240 | 7,200 | 24.5 | 1775 | 55,039 | 511 | 33,214 | 1,029,625 |
| May | 222.5 | 7.2 | 178 | 10,477 | 324,787 | 272 | 16,081 | 498,519 | 4.82 | 277 | 8,587 | 32.2 | 1864 | 57,788 | 628 | 37,491 | 1,162,212 |
| Jun | 222.1 | 7.4 | 184 | 11,216 | 336,483 | 247 | 14,893 | 446,787 | 4.72 | 282 | 8,475 | 30.6 | 1853 | 55,589 | 655 | 39,747 | 1,192,416 |
| Jul | | | | | | | | | | | | | | | | | |
| Aug | | | | | | | | | | | | | | | | | |
| Sep | | | | | | | | | | | | | | | | | |
| Oct | | | | | | | | | | | | | | | | | |
| Nov | | | | | | | | | | | | | | | | | |
| Dec | | | | | | | | | | | | | | | | | |
| Average | 204.4 | 6.8 | 207 | 10,817 | 324,528 | 281 | 14,553 | 439,178 | 5.07 | 260 | 7,839 | 36.1 | 1,833 | 55,638 | 682 | 35,652 | 1,077,223 |
| Yearly Total | 1,226.7 | | | | 1,947,166 | | | 2,635,065 | | | 47,036 | | | 333,828 | | | 6,463,339 |

*Includes Hauled Waste
 [Plant Design Capacity] = 8.5
 [Hauled Waste Gallons]= 233,470
 [Max Design Capacity] = 11.9
 June % of Capacity = 62%
 June Max Daily Flow = 9.79

| | | | | |
|--|--------|--------|-----|-------|
| | 13,565 | 12,209 | 339 | 1,600 |
| | 16,278 | 14,651 | 407 | 1,920 |
| | 69% | 102% | 69% | 97% |

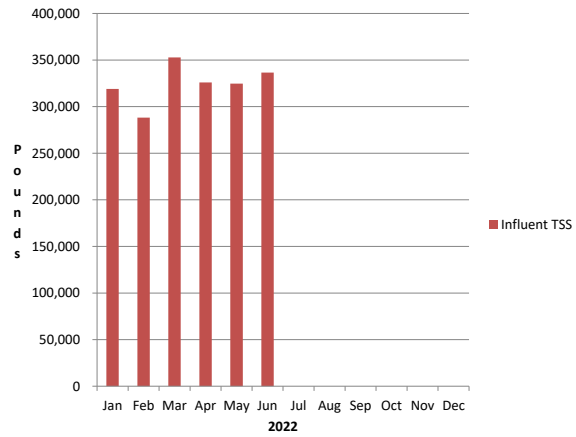
EFFLUENT QUALITY

| | | | | | | | | | | | | | | | |
|-------------------------|---------------|-------------|-------------|----------------|-------------|-------|---|-----------|---------|-----------|---------|-----------|----------|----------|---------|
| {PERMIT LIMITS (WDNR) → | Monthly (Avg) | 801# | Monthly Avg | 30 mg/L | Monthly Avg | 31.5# | <table border="1"> <tr><td>Jan- Marc</td><td>10 mg/L</td></tr> <tr><td>April-May</td><td>11 mg/L</td></tr> <tr><td>June-Sept</td><td>4.4 mg/L</td></tr> <tr><td>Oct- Dec</td><td>18 mg/L</td></tr> </table> | Jan- Marc | 10 mg/L | April-May | 11 mg/L | June-Sept | 4.4 mg/L | Oct- Dec | 18 mg/L |
| | Jan- Marc | 10 mg/L | | | | | | | | | | | | | |
| | April-May | 11 mg/L | | | | | | | | | | | | | |
| | June-Sept | 4.4 mg/L | | | | | | | | | | | | | |
| Oct- Dec | 18 mg/L | | | | | | | | | | | | | | |
| Weekly (Avg) | 1345# | Weekly Avg | 45 mg/L | 6 mo Avg | 10.5# | | | | | | | | | | |
| Daily Max (mg/L) | 30 | WLA May-Oct | | Daily Max mg/L | 1.0 | | | | | | | | | | |

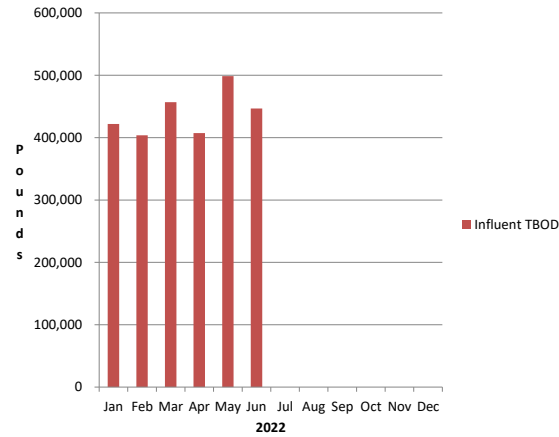
| MONTH | FLOW | | TSS | | | BOD | | | TOTAL PHOSPHORUS | | | AMMONIA | | | CHLORIDE |
|---------------------|--------------------|------------|-------------|--------------|------------------|-------------|--------------|------------------|------------------|--------------|------------------|-------------|--------------|------------------|-------------|
| | Million Gallons | Avg MGD | Avg mg/L | Avg #/day | Total #/Month | Avg mg/L | Avg #/day | Total # Month | Avg mg/L | Avg #/day | Total # Month | Avg mg/L | Avg #/day | Total # Month | Avg mg/L |
| Jan | 61.6 | 2.0 | 12.8 | 212 | 6,561 | 10.5 | 173 | 5,364 | 0.34 | 5.6 | 173 | 0.46 | 8.0 | 249 | 746 |
| Feb | 63.2 | 2.3 | 13.3 | 249 | 6,976 | 11.3 | 211 | 5,918 | 0.33 | 6.3 | 177 | 0.49 | 9.1 | 254 | 829 |
| Mar | 151.3 | 4.9 | 21.0 | 1,122 | 33,655 | 15.1 | 746 | 23,115 | 0.37 | 17.9 | 554 | 0.49 | 20.4 | 571 | 699 |
| Apr | 189.3 | 6.3 | 19.2 | 629 | 18,878 | 10.9 | 586 | 17,593 | 0.21 | 11.8 | 353 | 0.83 | 42.5 | 1,190 | 520 |
| May | 158.7 | 5.1 | 9.6 | 484 | 14,532 | 11.9 | 513 | 15,912 | 0.22 | 9.8 | 304 | 1.39 | 62.6 | 1,752 | 644 |
| Jun | 122.7 | 4.1 | 12.4 | 255 | 7,389 | 8.8 | 290 | 8,694 | 0.18 | 5.8 | 174 | 0.86 | 29.1 | 874 | 633 |
| Jul | | | | | | | | | | | | | | | |
| Aug | | | | | | | | | | | | | | | |
| Sep | | | | | | | | | | | | | | | |
| Oct | | | | | | | | | | | | | | | |
| Nov | | | | | | | | | | | | | | | |
| Dec | | | | | | | | | | | | | | | |
| Average | 124.5 | 4.1 | 14.7 | 492 | 14,665 | 11.4 | 419.9 | 12,766 | 0.28 | 9.5 | 289.2 | 0.75 | 28.6 | 815.0 | 679 |
| Yearly Total | 746.7 | | | | 87,992 | | | 76,596 | | | 1,735 | | | 4,890.1 | |

| | | | |
|---------------------------------------|-------|-----------------|------|
| Effluent Gallons to Fox Energy (June) | 99.37 | % to Fox Energy | 45% |
| June WEEK 1 | 289 | 6 mo. Avg #'s | 7.83 |
| June WEEK 2 | 295 | May-Oct | |
| June WEEK 3 | 225 | | |
| June WEEK 4 | 192 | | |

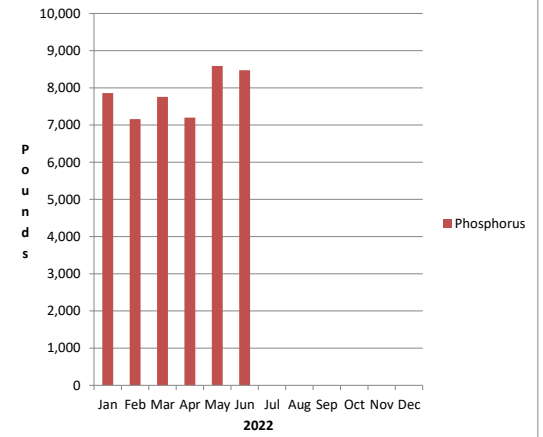
Influent TSS Total Pounds/Mo.



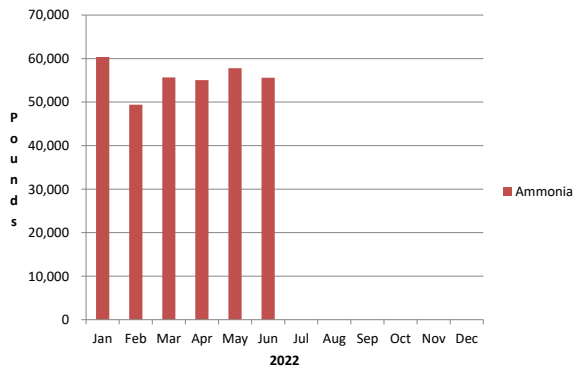
Influent BOD Total Pounds / Mo.



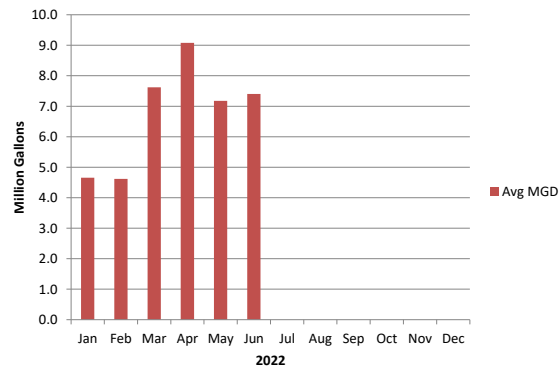
Influent Phosphorus Total Pounds/Mo.



Influent Ammonia Total Pounds/Mo.



Avg Influent MGD/Mo.



Influent Chloride Total Pounds/Mo.

