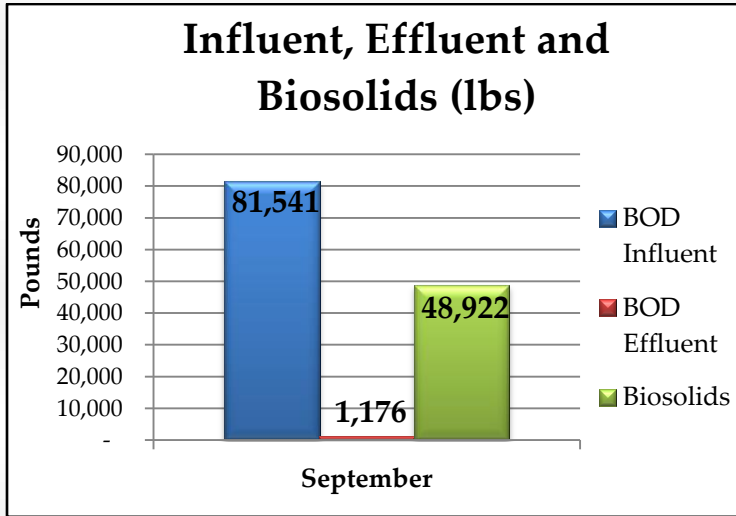


River Falls Municipal Utilities Waste Water Treatment Plant

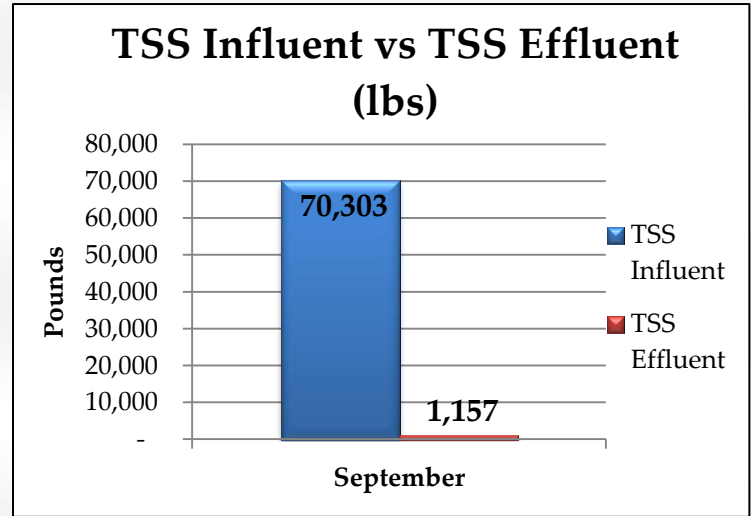
For September 2015

Influent, Effluent and Biosolids (lbs.)



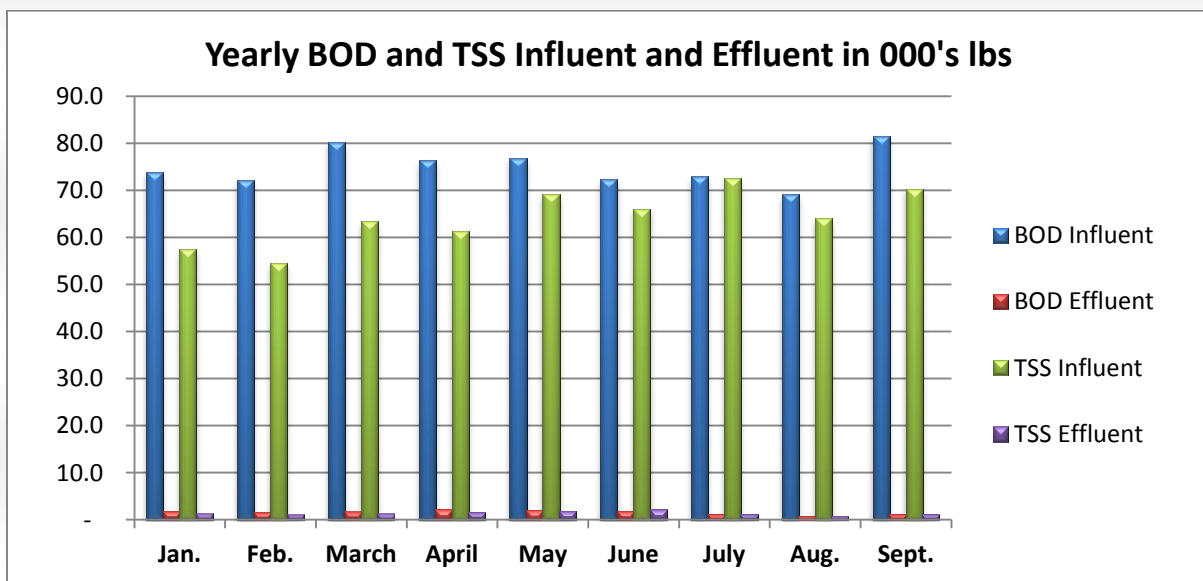
The Biochemical Oxygen Demand (BOD) Influent and BOD Effluent pounds represent pounds of oxygen needed for treatment.

TSS Influent vs TSS Effluent (lbs)



The TSS Influent and TSS Effluent represent the pounds of Total Suspended Solids entering the Waste Water Treatment Plant versus going out into the Kinnickinnic River.

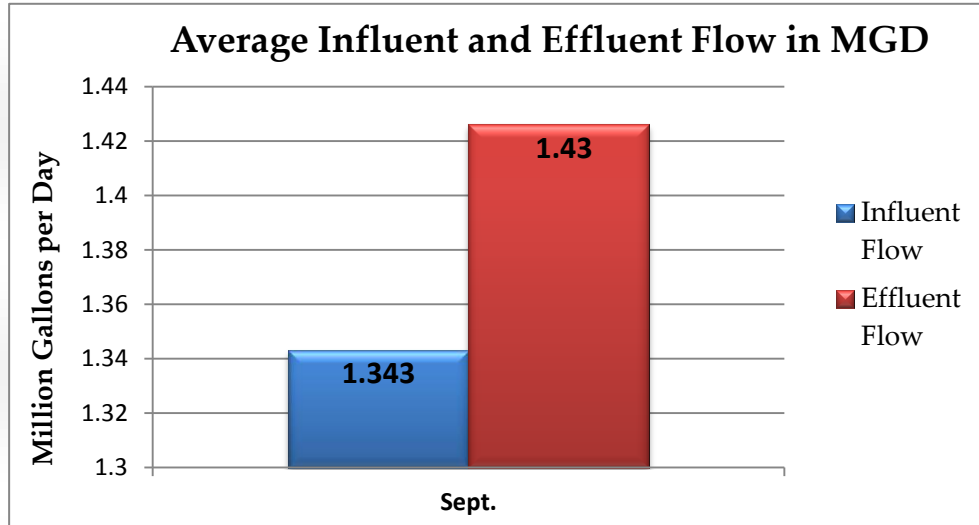
Yearly BOD and TSS Influent and Effluent (in 000's lbs.)



This graph represents the average monthly pounds of both BOD and TSS coming into the plant and being discharged at the plant's outfall into the Kinnickinnic River for the year 2015.

River Falls Municipal Utilities Waste Water Treatment Plant

Average Influent and Effluent Flow in MGD



This graph represents the average daily flow into the treatment plant as well as the average daily flow discharged into the Kinnickinnic River. The design flow for the Treatment plant is 1.8 million gallons per day (MGD).

WWTP Facts

Did You Know...?

The current sludge storage and thickening process is being upgraded. Current system is a diffused air flotation thickener into an open storage tank. There are many shortfalls that are being corrected with the upgrade. Here are a few of benefits of the upgrade:

- 1) The same DAFT unit is being reused with the option of polymer use for creating higher percentage solids.
- 2) Major safety issues and conditions are being eliminated
- 3) Capability of storing a much higher solids content sludge (Lower hauling costs)
- 4) Higher aeration capability with lower costs from energy efficient blowers
- 5) Capability of thickening by decanting sludge with or without polymer, this can be done after Daft thickening or bypassing the unit if it is shut down for maintenance.
- 6) Two separate storage tanks that can both be used for sludge storage, sludge/centrate storage and or used individually for energy savings.
- 7) Covered tanks eliminating additional hauling costs of rain and snow precipitation



For more information please contact: Tom Johnson
(715) 426-3531 or tjohnson@rfcity.org