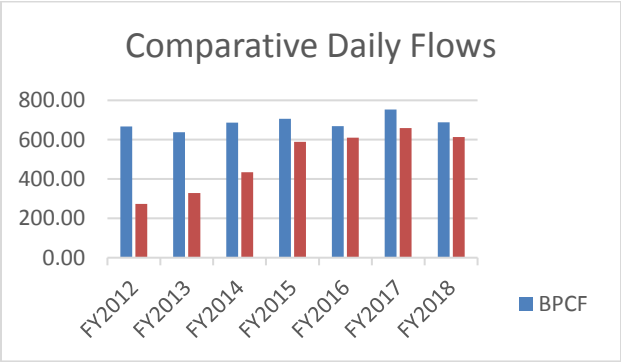
Pictured: Jon Goodreau, Jeffrey O'Neil, Ted Miller, Henry Noel (center), who retired from the Superintendent position, Mitch Dumont, Don Hartman, Paul Remillard

Wastewater Treatment Plant

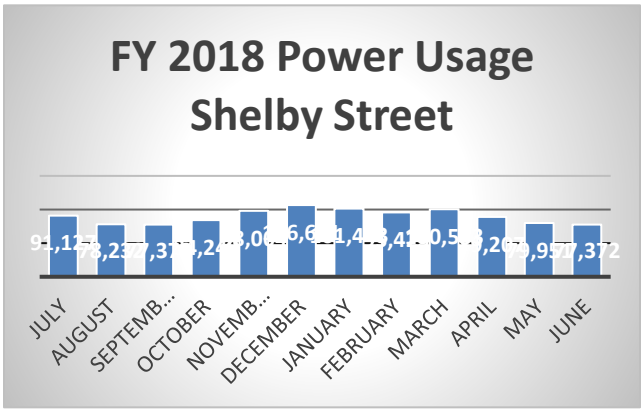
Last fiscal year, Berlin's Pollution Control Facility processed 717.4 million gallons of sewerage from the City. We also processed 29.0 million gallons of Leachate from the Mt Carberry Landfill. On top of which we accepted and treated almost 519,300 gallons of Septage waste from outlying communities not on their own sewer systems (i.e., septic tanks). Whereas the Influent Flow decreased by 5 % the Septage deliveries and Leachate flow both increased by 20 %.

A comparison we like to make is that the amount of water Berlin Water Works (BWW) supplies to the City each day should be approximately the amount of water Berlin Pollution Control Facility (BPCF) treats after traveling through the Sewer Collection System, over the course of a year. Last year (FY2018) BWW produced about 663.8 million gallons of water for use in the City; BPCF on the other hand had to treat 717.4 million gallons of City Sewerage, or 8% more than BWW produced. Last Year that figure was 14%.We attribute most of the discrepancy to Inflow and Infiltration into the Collection System; the reduction in percentage is due to the City correcting many leaks into the sewer pipes in the past year.

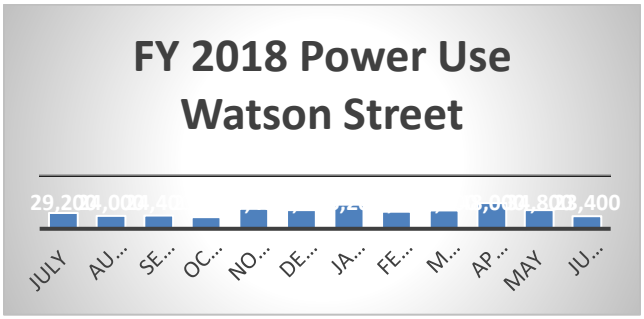


As part of our process, we produced 1,759 tons of dried municipal sludge that we trucked to the AVRRDD landfill for disposal. The treatment process removed 91% of the BOD (Biochemical Oxygen Demand) and 97.9% of the TSS (Total Suspended Solids) which came in with the sanitary sewer flows.

Average monthly power usage at the Main Plant (Shelby Street) decreased to 89,964 kWh (97% of last year) and at our main pump station at Watson Street it decreased to 32,417 kWh (88% of last year). Average monthly energy usage at the Main Plant (Shelby Street) decreased to 170 KW (93% of last year) and at our main pump station at Watson Street, it increased to 104 KW (112%).



The energy usage (KW) follows the peak flows in the sewers; this is a measure of the success of the City's program to reduce Inflow and Infiltration into the Sewer System.



Some Capital Projects this year included a new smaller aeration blower that should save us some operating money, and a new service truck.

Respectfully Submitted,

Jon Goodreau, Wastewater Superintendent