

Zionsville Waste Water Department  
December 2009 Summary  
And Year-end Report

	<u>DECEMBER 2009</u>	<u>DECEMBER 2008</u>
TOTAL FLOW	36.85 MG	36.1 MG
HIGHEST DAILY FLOW	1.70 MG	1.91 MG
AVERAGE DAILY FLOW	1.19 MGD	1.17 MGD
PRECIPITATION	3.9 in	6.9 in
NPDES VIOLATIONS	0	0

Highlights for the Waste Water Plant (2009)

- The Waste Water Plant treated a total of 388.3 million gallons this year. This averages out to 1.06 million gallons per day and represents a decrease 61,500 gallons per day from the previous year. We recorded a total of 46.2 inches of precipitation this year compared to 55.9 inches for 2008 and the decrease in average daily flow can be attributed to the drier year.
- The yearly average removal efficiency of the treatment plant in regards to Total Suspended Solids, has remained steady at 97%. Removal of BOD improved from 98% to 98.5% this year. Ammonia removal improved from 97% up to 99.2% and the removal of phosphorous remained steady at a removal efficiency of 86.8%.
- The wastewater department had five violations of its operating permit this year compared to six in 2008. Three of the violations were wet weather related, one from an overflow due to a sewer blockage, and the other from a small force main leak. No violations were from exceeding discharge limits at the treatment plant.

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Update on Waste Water Department Projects (2009)

- Since establishing the yearly sewer rehabilitation program back in 2002, the Town has repaired and/or replaced a total 21,000 lineal feet of sanitary sewers. This program was reviewed and revised in 2006 and now outlines sewer projects scheduled through the year 2012. This year's project consisted of the replacement of 1,800 lineal feet of six and 8-inch clay sewers located on West Pine Street, West Hawthorne Street, South Second Street, and a portion of East Sycamore Street. The project met substantial completion by December 15<sup>th</sup> and will meet final completion after yard repairs and as-builts are submitted.
- Our lift station upgrades continued in 2009 with the additions of manual transfer switches at our smallest lift stations. These transfer switches will enable us to directly hook up a portable generator to operate the lift stations in case of extended power outages.
- In addition to the above projects, design work was complete, easements obtained, bids were accepted, and a tentative award of contract was made for the Zionsville Road Sewer Project. The project consists of constructing a combination of gravity and forced main sewers within the newly annexed area east of Zionsville Road and south of 106<sup>th</sup> Street. Through the efforts of the Town Manager and Town Council the Town will receive partial financing from the State in the form of a forgivable loan with the balance of the project being paid through TIF district funds.
- Costs for the Waste Water Department have been monitored and contained within the approved operating budget for 2009.

Respectfully submitted:

Dennis Mackey  
W.W. D. Superintendent