

Zionsville Waste Water Department
December 2008 Summary
And Year-end Report

	<u>DECEMBER 2008</u>	<u>DECEMBER 2007</u>
TOTAL FLOW	36.1 MG	24.9 MG
HIGHEST DAILY FLOW	1.91 MG	2.02 MG
AVERAGE DAILY FLOW	1.17 MGD	1.32 MGD
PRECIPITATION	6.9 in	6.0 in
NPDES VIOLATIONS	0	0

Highlights for the Waste Water Plant (2008)

- The Waste Water Plant treated a total of 412 million gallons this year. This averages out to 1.12 million gallons per day and represents an increase of 70,000 gallons per day from the previous year. We recorded a total of 56 inches of precipitation this year compared to 43 inches for 2007.
- The yearly average removal efficiencies of the treatment plant in regards to Total Suspended Solids, and Ammonia-nitrogen, has remained steady at 97%. Removal of BOD improved from 97% to 98% this year. The daily average concentration of phosphorous in the plant discharge has also remained steady at an average of 0.6 parts per million which represents 60% of what is allowed by our discharge permit.
- The wastewater department had six violations of its operating permit this year compared to two in 2007. The majority of the violations were recorded in June due to extremely high flows from a total of 10 inches of precipitation in a 10-day period.

Update on Waste Water Department Projects (2008)

- Since establishing the yearly sewer rehabilitation program back in 2002, the Town has repaired and/or replaced a total 19,000 lineal feet of sanitary sewers. This program was reviewed and revised in 2006 and now outlines sewer projects scheduled through the year 2012.

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This year's project, the Ash Street Sewer Project, consisted of the rehabilitation of 1,920 lineal feet of six and 8-inch clay sewers located on Ash Street and in the alley south of Ash Street from 3rd Street west to 6th Street. The project went very smoothly and finished well ahead of schedule.

- Our lift station upgrades continued in 2008 with the addition of a standby generator, new control panel, and new pumps for the Thornhill Lift Station. Sixteen of our twenty-two lift stations now have on-site backup generators. The remaining six pumping stations are small in capacity and can be powered by a portable generator.
- In addition to the above projects, design work is complete for the Zionsville Road Sewer Project. This project consists of constructing a combination of gravity and forced main sewers within the newly annexed area east of Zionsville Road and south of 106th Street. We are now actively obtaining the easements necessary for the construction of the sewers. HNTB has estimated the construction costs to be \$3.3 million dollars and scheduled to be complete by the end of 2010.
- Costs for the Waste Water Department have been monitored and contained within the approved operating budget for 2008.

Respectfully submitted:

Dennis Mackey
W.W. D. Superintendent