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December 22, 2005

Mr. Dennis Sullivan, P.E.
City Engineer
City of O'Fallon
255 S. Lincoln Avenue
O'Fallon, Illinois 62269

Re: Wastewater Treatment Plant Capacity

Dear Dennis:

The Illinois Environmental Protection Agency issued the City a Permit No. 2005-AB-5598 on December 1, 2005. It increased the raw organic capacity of the wastewater treatment plant from 10,533 pounds BOD₅/day to 11,648 pounds/day (ppd) BOD₅. All other previous raw sewage limits, i.e. flow and total suspended solids remained unchanged. This allowed for the organic capacity to be increased under the current NPDES permit.

The rerating was based solely on adding the west package plant's organic capacity into the total. However, IEPA limited this organic capacity due to the capacity of the aerobic digesters.

With the rerating and the raw sewage flow for the 12 months ending October 2005, the existing load versus rated capacities is:

	<u>Existing Load</u>	<u>Rated Capacity</u>	<u>Remaining Capacity</u>
Flow	2.39 mgd*	5.61 mgd	3.22 mgd
BOD ₅	8,451 ppd	11,648 ppd	3,197 ppd

At 0.20 ppd raw BOD₅ per population equivalent, there are 15,985 P.E. remaining.

To develop additional capacity the City has several options. First the easiest and smallest incremental changes: