

# Technical Memorandum

**DATE:** November 17, 2003  
**TO:** Earlene Teaster, City Manager – City of Pigeon Forge  
**CC:** Mark Miller – City of Pigeon Forge  
SCL, SHR, MLB, SLH  
**FROM:** Kenny Diehl  
**RE:** Pigeon Forge Wastewater System Study  
SSR No. 0141036.0

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In our meeting with Council on October 7, 2003 we discussed several items that required further clarification. We have prepared a response to Council's questions. They are as follows:

- The existing wastewater treatment plant has a rated capacity of 4.0 million gallons per day (MGD). The average daily flow at the plant for the first seven months of 2003 was approximately 3.2 MGD (80% of capacity). In Pigeon Forge the average daily flow in the summer months is the most critical element in judging the plant loading conditions. The average daily flow in July 2003 was 3.96 MGD (99% of capacity). The Tennessee Department of Environment & Conservation (TDEC) requires all NPDES permit holders to begin expansion plans once the average daily flow exceeds 80% of the plant's capacity. On this basis expansion of the Pigeon Forge WWTP is due based on your true average flow and long overdue based on your average summer peak.
- A question was posed concerning wastewater flow projections. We have attached a copy of Table 2.1 from Volume 1 of your Wastewater System Study. The table contains a breakdown of projected wastewater flows for the year 2013 and 2023. The projected flows at the