



**CET Engineering
Services**

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MEMORANDUM

TO: Washington Township Municipal Authority

FROM: Kevin Shannon

DATE: March 11, 2008

RE: Authority Meeting Engineers' Report

The following are summaries of CET's activities during February/March 2008:

WATER SYSTEM

WaterCAD Training and Support (1798.0900)

- ◆ WTMA's computer system is being upgraded to support the new GUS/Bentley software.

Hess Well and Brookdale Booster Pumping Station VFD and Controls (1798.3001)

- ◆ Received comments from Scott and Gene regarding CET's 2/8/08 memo.

Standard Specifications for Water System Construction (1798.1300)

- ◆ Updated water trench details and received additional details from Gene.

Miscellaneous

- ◆ Nothing new this month.

SEWER SYSTEM

WWTP Biosolids Management (1798.0200)

- ◆ No activity this period.

Special Act 537 Planning Study to Determine WWTP Nutrient Removal Capabilities and Evaluate Alternatives to Comply with Pennsylvania's Chesapeake Bay Tributary Strategy (1798.0300)

- ◆ Reviewed historical data and projections in conjunction with Chapter 94 Report.
- ◆ Discuss lawsuit, political activity, and time extensions recently granted to some Phase 1 facilities.

Pennsylvania Avenue/Pennersville Road Sewer Project (1798.0700)

- ◆ Nothing new this month.

Sewer System Capacity Analysis (1798.0800)

- ◆ WTMA installed its 2 functioning meters in the 10" trunk lines that are tributary to the 12" Scott Drive sewer in December 2007. This meter data will determine existing average, peak daily, and peak hourly flows in these lines, which each currently serve over 500 EDUs. This data can then be used to update and calibrate the sewer model relative to existing conditions. Reviewed data collected to data with Andy on 3/11/08.

Standard Specifications for Sewer Main Construction (1798.1300)

- ◆ Received finalized specifications and details from Gene.

2007 Chapter 94 Report (1798.1500)

- ◆ Received various data from WTMA staff and assembled draft report.
- ◆ Forwarded draft report to Andy/Gene/Sean. Report will be finalized for submission to DEP upon receipt of remaining data and review comments.

Miscellaneous

- ◆ Nothing this month.

DEVELOPER SUBMITTALS

- ◆ Thornhill (1798.5011) – Reviewed revised plans and provided comments in 2/27/08 letter to Andy.
- ◆ B2M2 (1798.5012) – Awaiting pumping station design drawings, calculations, and DEP WQM Permit application package. Called CEDG regarding status.
- ◆ Layman's Ridge/Red Run Commercial (1798.5021) – Received first submission of sewer/water extension drawings. The plans are currently being reviewed.