



**CET Engineering
Services**

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MEMORANDUM

TO: Washington Township Municipal Authority

FROM: Kevin Shannon

DATE: February 12, 2008

RE: Authority Meeting Engineers' Report

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

WATER SYSTEM

WaterCAD Training and Support (1798.0900)

- ◆ Initiated discussions with Sean/Andy during 2/5 site visit.

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

- ◆ Conducted 2/5 site visit with Scott/Sean/Andy and Peter Lusardi/Chad Angle of CET.
- ◆ See CET's letter.

Standard Specifications for Water System Construction (1798.1300)

- ◆ Received initial mark-up of details from Gene.

Miscellaneous

- ◆ Toured much of the water system facilities on 2/5/08 with Scott and P.Lusadi/C.Andle of CET.
- ◆ Discussed water system reporting/projections procedures with Scott.

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)

- ◆ Discussed as-built information relative to gravity sewer extension with Lee Royer.

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. No data has been downloaded as of 2/6/08. 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. Recommended to Andy that data be collected weekly.

Standard Specifications for Sewer Main Construction (1798.1300)

- ◆ Finalized details and provided .pdf files to Gene.

2007 Chapter 94 Report (1798.1500)

- ◆ Generated tables/forms/list of questions and emailed to Andy/Sean/Wick.
- ◆ Prepared draft report for review with Andy/Wick on 2/12.

Miscellaneous

- ◆ Nothing this month.

DEVELOPER SUBMITTALS

- ◆ Thornhill (1798.5011) – Received revised plans in response to comments in 5/9/07 and 5/16/07 review letters.
- ◆ B2M2 (1798.5012) – Awaiting pumping station design drawings, calculations, and DEP WQM Permit application package. Called CEDG regarding status.
- ◆ Red Run Commercial – Answered questions from Andy relative to commercial flow/EDU calculations.