



***CET Engineering  
Services***

1240 N. Mountain Rd.  
Harrisburg, PA 17112  
717-541-0622  
FAX 717-541-8004

---

**MEMORANDUM**

**TO:** Washington Township Municipal Authority

**FROM:** Kevin Shannon, Chad Angle

**DATE:** July 28, 2009

**RE:** Authority Meeting Engineers' Report

---

The following are summaries of CET's activities since the June 16, 2009 WTMA meeting:

**WATER SYSTEM**

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

- ◆ CET and Keystone Engineering Group met with WTMA staff on July 16<sup>th</sup> to review the project and to conduct a simulated pumping test. The pump test was successful and the Brookdale well was started and stopped automatic with the new SCADA software based on water levels in the clear well.
- ◆ During the site visit a punch list was developed. A punch list letter was sent to Monocacy Valley on July 21, 2009.
- ◆ To date Monocacy Valley has not completed all required work.

Bubbling Springs Generator

- ◆ Nothing new was reported to CET this month.

Miscellaneous

- ◆ Nothing new this month

**SEWER SYSTEM**

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)

- ◆ CET received all remaining items, including Washington Township's resolution adopting the Special Study as a supplement to the Township's Act 537 Sewage Facilities Plan, and CET submitted the Special Study to DEP for review and approval..

Sewer System Capacity Analysis (1798.0800)

- ◆ CET met with Sean and Andy on 6/26/09 to review metering, mapping and modeling performed to date, to review base and peak flows for existing, proposed, and future development, and to review the schedule and budget for completing the study and report.
- ◆ CET continues to evaluate the sewer system model and will include the remainder of the main sewer trunk line down to the treatment plant. Due to vacations modeling work is scheduled to resume in early August and a draft report should be ready for WTMA review in September.

WWTP Ammonia-Nitrogen (NH<sub>3</sub>-N) Issues (1798.2000)

- ◆ CET provided plots of WWTP influent and effluent concentrations and loadings from January 2008 through March 2009. The data shows an apparent 25% increase in ammonia loadings to the WWTP beginning in November 2008.

Miscellaneous

- ◆ Discussed proposed elimination of Act 537 funding from state budget with Sean.

**DEVELOPER SUBMITTALS**

- ◆ Thornhill (1798.5011) – Awaiting response to comments in our 5/28/08 letter. *No change from last month's report.*
- ◆ B2M2 (1798.5012) – Awaiting response to comments in our 6/14/07 letter. *No change last month's report.*
- ◆ Washington Township Center (1798.5022) – Awaiting response to comments in our 4/7/09 letter. *No change last month's report.*
- ◆ Martins Village PRD (1798.5023) – Awaiting response to comments in our 8/18/08 letter. *No change from last month's report.*
- ◆ Antietam Creek Estates/Dan Long PRD (1798.5024) – Awaiting response to comments in our 8/19/08 letter. *No change from last month's report.*
- ◆ Mary Lindquist Apartments (1798.5025) – Awaiting response to comments in our 1/22/09 letter. *No change from last month's report.*
- ◆ Spring Run Estates, Phase 3 (1798.5026) – **Received and reviewed third submission of sewer and water main construction drawings. See CET's 6/26/09 review letter recommending WTMA approve the plans.**
- ◆ Henicle Grinder Pump/Force Main (1798.5027) – **Reviewed construction drawings for proposed grinder pump, force main and water service to single family residence. See CET's 7/16/09 letter to WTMA.**