



***CET Engineering
Services***

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MEMORANDUM

TO: Washington Township Municipal Authority

FROM: Kevin Shannon, Chad Angle

DATE: June 16, 2009

RE: Authority Meeting Engineers' Report

The following are summaries of CET's activities since the May 12, 2009 WTMA meeting:

WATER SYSTEM

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

- ◆ Monacacy Valley Electric (MVE) has not completed the project yet.
- ◆ The following issues have occurred and have been resolved or currently are being resolved:
 - Additional parts for the Brookdale and Hess Well motor control centers were required. These parts are scheduled to be installed this week.
 - MVE has coordinated with Siemens to reschedule final testing and startup. This is tentatively scheduled for this week.

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)

- ◆ Nothing new this month. Any comments received from the public and planning commissions will need to be addressed, and the Township Supervisors must adopt the Plan, before it can be submitted to DEP for review.

Sewer System Capacity Analysis (1798.0800)

- ◆ CET revised the service area map showing existing, proposed and potential future development. Copies of the revised map for WTMA review were provided to A. Zeigler at a meeting on 6/5/09.
- ◆ CET continued to work with WTMA staff to update proposed and future development lists. Copies of the lists, with projected EDUs for all properties in the service area, were provided for WTMA review.
- ◆ CET performed preliminary hydraulic modeling of existing, proposed and future development, using updated map and EDU projections as presented to WTMA. **Review and discuss model results.**

WWTP Ammonia-Nitrogen (NH₃-N) Issues (1798.2000)

- ◆ CET discussed this matter with Wick, who reported that the SBR control system was not delivering enough oxygen to achieve full nitrification, and that he made changes to correct the previously reported problem.

Miscellaneous

- ◆ Nothing new this month

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 revised sewer and water main construction drawings. See CET's 6/2/09 review letter.**