



155 E. Front Street (rear) Lititz, PA 17543
Phone (717) 625-1930 Fax (717) 625-1931

February 3, 2010

Bethel Township Municipal Authority
PO Box 24
Bethel, PA 19507
ATTN: David Younker, Chairman

RE: Monthly Report for January '10

Dave and Board Members,

This office has been working on the following items this past month and would like to update the Board as follows: (items denoted with "*" have accompanying information in the Board's packet. Items denoted with "**" have been forwarded to board members prior correspondence this month).

DEVELOPMENT PLANS FOR BOARD REVIEW AND/OR ACTION (POTENTIAL VISITORS):

1. Tank Lining Work (Marks Contracting/Dutchland, Inc. & I.K. Stoltzfus): The contractor's may be present this evening to discuss this work and the Board's further direction in this regard. However, as a follow up to last month's meeting and as directed by the board the following actions were taken in this regard:
 - a. *BETHEL TANK LINING: As directed, the Board attorney has issued a letter requesting various items as a follow up to the final resolution of the ongoing work at this site. We have not received any follow up from the contractor's subsequent to the issuance of the aforementioned letter.
 - b. *FRYSTOWN TANK LINING: As directed this office has issued a letter requesting various items as a follow up to the final resolution of the ongoing work at this site. We have not received any follow up from the contractor's subsequent to the issuance of the aforementioned letter.
2. Frystown resident concerns and work items:
 - a. *As requested last month this office has issued a letter to the property owner adjacent to the Frystown WWTP site bringing to his attention the matter of the conflicting grading and improvements shown on his current plan.
3. Bethel Resident concerns and work items:
 - a. *As requested this office has issued a letter to the site developer in the Village of Bethel regarding his request pertaining to the existing abandoned buildings (to be demolished or moved).
 - b. The storm water related concerns along and adjacent to properties along Lancaster Avenue remains on hold due to more pressing matters but will resume when time allows.

4. *Horning's Market Plan Review. This office has reviewed the current plans and has issued our review letter for the Board's further consideration of this plan.

FINANCING MATTERS (PENNVEST & PENNWORKS):

5. *This office is recommending payment of invoices (separate correspondence to the Board) for the construction project for the following listed contracts (through to 1/22/10) which would require Board action for payment. The payment details are attached (separate correspondence) and summarized as follows:
 - a. Contracts # 1, 2, 3, 6 & 7 – NO PAYMENTS submitted this period.
 - b. Contract # 4 Bethel Wastewater Treatment Plant (99% complete to DATE see attached).
 - c. Contract # 5 Frystown Wastewater Treatment Plant (99% complete to DATE see attached).
 - d. Contract # 8 Electrical Systems for WWTP and appurtenances (99% complete to DATE see attached).

CONSTRUCTION MANAGEMENT AND LOGISTICS:

6. Our inspection reports are available to the Board members (via our website) and can be furnished (paper copies) upon request. In summary the work has been progressing as follows:
 - a. **Contracts # 2 – # 4 (BETHEL)** The work on the various contracts continues in varying degrees.
 - i. CONTRACT # 2 (Bethel Collection Lines)
 1. The final punch list of items will need to be addressed by the contractor. * A preliminary punch list was issued to generate the cost figures discussed last month (for release of the retainer).
 2. This contract is open and waiting for the Northern Extension work to begin.
 - ii. CONTRACT # 3 (Bethel Pump Stations) The final punch list of items will need to be addressed by the contractor.
 - iii. CONTRACT # 4 (Bethel WWTP)
 1. Last week, this office received the final certification for the process design of the plant which we will review this month.
 2. The final punch list of items will need to be addressed by the contractor.
 - b. **Contracts # 1 & # 5 (FRYSTOWN)** The work on the various contracts continues in varying degrees.
 - i. Contract # 1 (Frystown collection lines). This contract has been substantially completed and is currently under the maintenance

bond. Additional work required (lateral protective sleeves) will be completed by others.

ii. Contract # 5 (Frystown WWTP).

1. All equipment startups have occurred. We are completing a final punch list of items (operations) so that the plant can begin operating within the next week.
2. We are awaiting the final certification (process design of the plant) for determination of substantial completion.

c. **Contracts # 6 - # 8 (M.E.P. Work Bethel & Frystown).** The work on the various contracts continues in varying degrees. The M.E.P. Engineer (Arris Engineering Group, LTD.) has been monitoring the construction and progress of all work. They continue working with the contractors in completing necessary operations work and punch list items

OTHER MATTERS REQUIRING BOARD REVIEW AND/OR ACTION:

7. CHANGE ORDERS:

- a. We have included documentation for the Board's consideration in concurrence of change orders for the two plant sites as necessary for plant operations.
 - i. * Contract # 4 (Bethel WWTP) CHANGE ORDER # 9 (see attached document). This change order is to return ONE (1) of the Two (2) containment units (chemical storage totes) and is a CREDIT change order.
 - ii. * Contract # 5 (Frystown WWTP) CHANGE ORDER # 7 (see attached document). This change order is to return ONE (1) of the Two (2) containment units (chemical storage totes) and is a CREDIT change order.
 - iii. * Contract # 8 (Frystown WWTP) CHANGE ORDER # 20 (see attached document). This FINAL change order was slightly revised (lowered in cost) from the one reviewed & approved by the Board last month. We have included both for your records.
 - iv. * Contract # 8 (Frystown WWTP) CHANGE ORDER # 21 (see attached document). This change order is to provide two necessary relays in the control panel (not included in original contract).
- b. We have included a few requests for accepting changes to plans from the contractor as a result of some oversights during construction as follows:
 - i. * Contract # 3 (Bethel Pump Stations): The contractor has requested the Board accept the current pipes embedded in concrete with no sleeves in lieu of the fix proposed by the structural engineer.
 - ii. * Contract # 4 (Bethel WWTP): The contractor has requested the Board accept the current pipes embedded in concrete with no sleeves in lieu of the fix proposed by the structural engineer.

- iii. * Contract # 5 (Frystown WWTP): The contractor has requested the Board accept the current steps installed with no protective (non-slip) noses on the risers.
8. Sewer Connections and non-residential users: This office has received various questionnaires completed for the various types of non-residential users. We would like to review these, summarize them and recommend to the board a policy in how these non-residential users should be handled. We would also need to confer with the attorney on this matter as the policy may require the development of a resolution.
9. PA ONE CALL (registration). As a follow up to the Board's prior direction in this regard we will be uploading the as-built plans (upon final completion) for the sewer collection lines to the PA ONE CALL site. The uploading of the plans should minimize the requests for plans and information in the future.
10. ANNUAL REPORTING & EVALUATIONS: As required this office will be preparing the annual "waste load" management reports (Chapter 94) by the March 31, 2010 submission deadline. This information will also be utilized in our overall plant evaluations as needed for our certification to PADEP (one year after plant is operational).
11. PLANT OPERATIONS & LOGISTICS: This office will coordinate directly with the plant operator in evaluating various operational supplies and equipment needs required for system operation and maintenance.
12. PENNDOT HIGHWAY OCCUPANCY PERMIT TRANSFER. As requested we have begun the paperwork for transferring the permit (Bethel WWTP site) into the Authority's name and will continue processing as required.
13. NORTHERN EXTENSION (Klahr Road).
 - a. As requested last month this office has re-routed the sewer line (vicinity of the community center) which required the following permit revisions:
 - i. Archeological study (additional site testing) was completed with no significant findings.
 - ii. PENNDOT HOP permit revisions were required for this work (revised and resubmitted plans).
 - iii. Additional surveying and easements. The field survey has been completed and the easements will be forthcoming.
 - b. The remaining status of the final design and permitting are progressing as follows:
 - i. *The archeologist has submitted the FINAL report to the State (PA Historical Museum Commission). The State has approved their initial report and determined no further investigations needed (approved prior to amendment which includes the above changes).
 - ii. The PENNDOT HOP permit is secured for the work but needs an amendment (accommodate above revision).

- iii. This office has reviewed the permitting requirements with PADEP staff (pre-submission meeting) who have committed to processing the permit in an expeditious manner.
- iv. The easements are being distributed to the Attorney this month for two of the properties. The revised sewer line location and associated easement will be worked on this month.

Should there be any questions, please feel free to contact me.

Sincerely,

Vision Engineering, Inc.

Bethel Township Municipal Authority Engineer

John K. Roche, P.E.

cc: Elizabeth Magovern, Esq. (w/attachments)