

Board of Supervisors
Joint Meeting with Sewer Authority, Tues. April 10th, 2007 @ 6:00 P M
Lynn Twp.- 7911 Kings Hgwy., New Tripoli

Call to Order:

The **joint meeting** of the Lynn Township Board of Supervisors and Sewer Authority was called to order by Chairman Thomas C. Creighton III, at 6:00 p.m. in the Municipal Building. Present were Chairman Thomas C. Creighton III, Vice Chairman Dave Najarian, Charles E. Lenhart III, Secretary/Treasurer Tammy M. White, Assistant Secretary Tina Everett, Engineer Roy Stewart, Chairman of Sewer Authority Eric T. Schellhamer, Vice-Chairman of Sewer Authority Donald M. Christ, Treasurer of Sewer Authority Steve I. Feinour, Secretary of Sewer Authority Marvin Charles, Member of Sewer Authority Mary Anne Wright, David Schlott Jr., Arro Engineering, Britt Bassett, Bassett Engineering, Northwestern Press Reporter Elsa Kerschner and approximately 5 citizens.

Pledge of Allegiance:

The Pledge of Allegiance was conducted.

Purpose of the meeting:

Tom C. Creighton III, Chairman of the Board of Supervisors stated that the purpose of the meeting was to come to a consensus about the sewer plant, to consider what is best for the citizens of New Tripoli and determine the most cost effective manner for the project.

Status of CAP (corrective action plan) - Arrow/Township:

The CAP plan was advertised in The Morning Call on Wednesday, April 4, 2007.

David Schlott Jr., Arro Engineering, stated that copies were sent Tuesday, April 3, 2007 to both the Lehigh Valley Planning Commission and to Lynn Townships Planning Commission.

Scope Test - Eric Schellhamer, Chairman of Sewer Authority, reported that a TV scope was conducted at the Northwestern Lehigh High School. Eric Schellhamer stated that reports will be generated from the video tapes. He also stated that he seen some problems, but no leaks and all in all it was a good system.

Steve I. Feinour, Treasurer of the Sewer Authority asked Eric Schellhamer if there was evidence of storm water. Eric Schellhamer reports that there was no evidence of storm water. The scope test that was conducted showed that the piping consisted of PVC and terracotta piping.

Eric Schellhamer did bring to everyone's attention that he came across one severe break, while conducting the scope test, and it is located at the top of the stairs adjacent to the parking lot facing route 309.

Eric Schellhamer also stated that he got permission, from the Northwestern Lehigh School District's Superintendent, Suzanne Meixell, to return to the school for further testing when rainy conditions would be present.

Dye Test - Donald Christ, Vice Chairman of Sewer Authority stated that a dye test will be performed. A powdered dye was given by Donald Christ to conduct the dye test. Greg Kennedy stated it would be done sooner than later and that he will contact Donald Christ with a date.

537 Update concerning the Treatment Plant-

The Lynn Township Sewer Authority's engineer, ARRO, prepared a list of Topics for Discussion for the meeting. This list stated:

That both the VIP process and the VLR process are capable of meeting the correct and potential future effluent limits. Arro's recommendation to incorporate the vertical loop reactor (VLR) was based on meeting the same limits.

Construction Cost - Arro's report included the opinion of probable cost for construction of the VLR process prepared by our office dated November 2006 of \$2,661,400. Bassett

Engineering Report included an opinion of probable costs for the VIP of \$2,853,800. Bassett's report increased the estimated VLR cost to \$3,375,800.

Chemical Addition - The VLR process can meet an effluent limit for total nitrogen (TN) limit of 10 mg/1 without chemical addition. A total phosphorus (TP) limit of 2 mg/1 will likely require chemical addition, but not for all influent phosphorus within the wastewater. Some phosphorus will be removed biologically. Additionally, regardless of the biological treatment process, providing a back-up chemical addition system is common engineering design and would be recommended for either process.

Electrical Cost - It is acknowledged that aeration via disc aerators may not be as efficient in oxygen transfer rate as aeration by fine bubble diffusers. The VLR process includes disc aerators and coarse bubble diffusers that would be operated intermittently for system aeration. It is our opinion the electrical cost for VIP process will be very similar to or higher than the VLR process. With no comparison of horsepower required, we do not know how the electrical costs could be determined.

Should the Sewer Authority wish to consider the VIP process, we recommend visiting and existing wastewater treatment plant currently utilizing the VIP process. Eric Schellhamer, Chairman of Sewer Authority and Donald Christ, Vice-Chairman of Sewer Authority has already visited an existing VLR plant.

Britt Bassett - VIP (Virginia Initiative Plant) vs VLR (Vertical Loop Reactor)

Cost Estimates - Britt Bassett, Bassett Engineering, stated that the opinion of Probable Cost for a VIP Wastewater Treatment Plant Expansion, at 160,000 gallons per day, is as follows:

Total Construction Cost:	\$1,985,000
Engineering, Legal, Administration, Finance:	\$ 496,800
Contingency (15%):	\$ 372,000
Total Project Costs:	\$2,853,800

Number of EDU's	634
Total Project Cost per EDU:	\$ 4,500

Britt Bassett provided a diagram of a Vertical Loop Reactor Process.

Britt Bassett also provide a Record of Telephone Conversation with John Abromitis, Wastewater Treatment Plant Superintendent representing Eastern Snyder County Regional Authority concerning issues on the performance of their Vertical Loop Reactor.

Also provided was a VLR Process - Comparison between Parallel Operation and Series Operation.

Projected timelines - Dave Najarian, Vice Chairman of the Board of Supervisors asked about a projected timeline of completion of either of the two proposed plans. Britt Bassett gave a time frame of 7 months from the start of construction for the VIP process. David Schlott Jr., Arro Engineering gave a time frame of 9 months from the start of construction of either the VLR process. However David Schlott stated to Marvin Charles, Secretary of Sewer Authority that his schedule could be compressed. David Schlott's stated that his concerns are with issues of obtaining permits in a timely manner and that the weather will have great significance on the schedule of construction.

Projected financing - Britt Bassett addressed the issue of financing. He stated that Penn Vest Financing has the lowest interest rate, but there is a time factor involved with Penn Vest Financing. Penn Vest Financing accepts loan application only 3 or 4 times a year. Rural Water Funding would be able to fund the project. Britt Bassett stated that loans could be obtained from The New Tripoli Bank or Rural Water Funding in a very timely fashion without holding up construction. Then a loan could be made through Penn Vest Financing, at a very low interest rate, to pay back either The New Tripoli Bank or Rural Water Funding. David Schlott Jr. was in agreement with Britt Bassett.

Britt Basset and David Schlott Jr. were both in agreement that you need to have your funding, designs completed all permits in hand, then go out to advertise for bids.

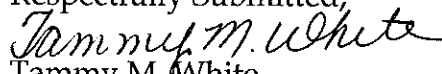
Technical differences - Technical differences were discussed and several handouts were presented. Refer to the Act 537 Plan Update.

Discussion among Board members and Engineers to reach conclusions - Steve I. Feinour, Treasurer of Sewer Authority addressed a future issue of those residences who will be affected by the Expansion of the Sewer Plant. Steve I. Feinour was concerned how to tell the residence that their rates will be going up significantly. There is already failure in payments from some residence. With more growth in Lynn Township, it will help defer the costs also.

Public Comment: No public comment at this time.

Adjournment:

A motion was made by David Najarian, seconded by Charles Lenhart to adjourn meeting. Motion carried unanimously. Meeting adjourned at 8:00pm.

Respectfully Submitted,

Tammy M. White
Secretary/Treasurer

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