

Newburgh Town Council Minutes  
December 1, 2007

CALL TO ORDER

President Kavanaugh called the meeting to order at 8:37a.m. on Saturday, December 1, 2007.

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by the Newburgh Town Council.

ROLL CALL

Those present at the meeting were Anne Rust Aurand, Eric Ellsperman, Bill Kavanaugh, Alonzo Moore, Shari Sherman, Becky Gentry, Cynthia Burger, and Tom Bodkin. Also in attendance were David Hynes, Leon Key, Dick Lautz, and Shawn Mundy.

NEW BUSINESS

1. History of Newburgh Sewer Utility Projects

Dick Lautz presented a brief history (see attached).

2. 2008 Sewer Utility Projects for the Town of Newburgh

Discussion was held regarding possible expansion of the existing plant. A preliminary design will be presented at 11:00a.m. on Wednesday, December 05, 2007. The project could be let for bid in 2008 with construction in 2009.

Mr. Hynes discussed existing issues with the Bellmoore On-Site sewer. He stated letters had been sent to both the off-site and on-site contractors encouraging communication to ensure the alignment of the lines was correct. Despite that effort, problems exist that are yet to be resolved. Mr. Kavanaugh requested Commonwealth send a crew to Bellmoore off-site to confirm data on the as-builts.

Mr. Bodkin discussed the Lynch Road project. Once completed, this project would provide gravity sewer to the TIF district.

MOTION by Ms. Sherman to propose that the Warrick County Commissions, REDAC, and the Town of Newburgh commit to in-part funding for the Lynch Road project.

SECOND by Mr. Moore.

DISCUSSION: Discussion was held regarding the importance of re-prioritizing Newburgh's list of sewer improvements. Mr. Bodkin will contact and make presentations to the various committees.

MOTION carried ayes 5, nays 0.

Mr. Bodkin stated the Hayhurst Subdivision was ready for acceptance.

MOTION by Ms. Sherman to waive the maintenance bond and accept a CD with the Town of Newburgh named as beneficiary in the amount of \$2,200.00.

SECOND by Mr. Ellsperman.

DISCUSSION: This agreement will be in effect for a period of one (1) year.

MOTION carried ayes 5, nays 0.

Discussion was held regarding the structure of tap fees for the town.

MOTION by Ms. Sherman to explore adopting "327 IAC" and authorize Mrs. Mundy to look into 2006 tap revenue to determine the impact of modifying the current tap structure.

SECOND by Mr. Ellsperman.

DISCUSSION: It was understood that this goal would be accomplished sometime in 2008.

MOTION carried ayes 5, nays 0.

Mrs. Gentry requested that projects requiring an escrow account be established at the time the contract was awarded. This would prevent payments being withheld.

ADJOURNMENT

MOTION by Mr. Kavanaugh to adjourn.

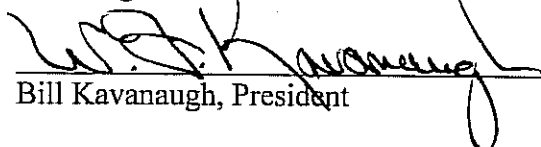
SECOND by Mr. Ellsperman.

DISCUSSION: None

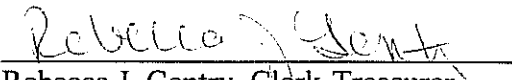
MOTION carried ayes 5, nays 0.

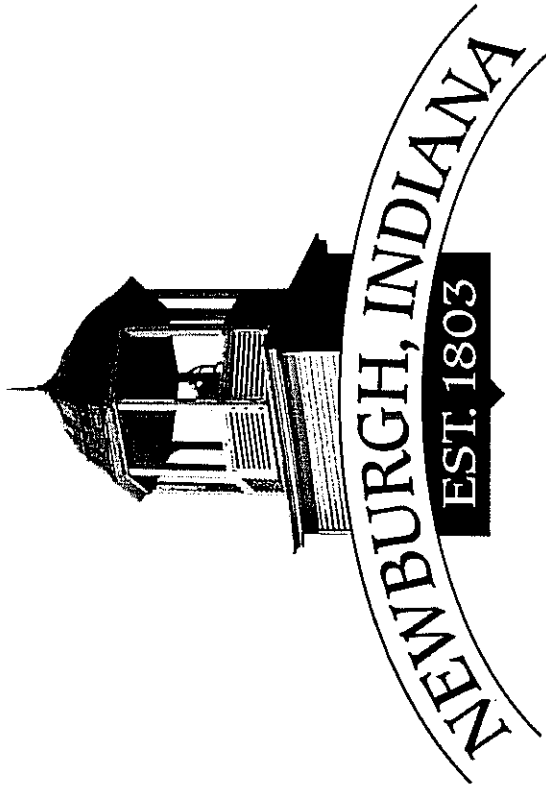
APPROVED this 12 day of December, 2007

Newburgh Town Council

  
Bill Kavanaugh, President

ATTEST:

  
Rebecca J. Gentry, Clerk-Treasurer



**2007-2008 UTILITY STRATEGIC PLANNING**  
**MEETING**

FOR THE  
NEWBURGH MUNICIPAL SEWAGE WORKS  
December 1, 2007

# History

- The original circa 1950's WWTP was centrally located at the west end of Water Street within the Town limits. Although records have not been located indicating the timeline of the original construction of the old town collection system, it is surmised that many components of the old town system were built many years prior to the addition of the WWTP in the 1950's. A large part of the original system continues to be used today.

# History Continued

- Rapid development in the Newburgh Area began in the 1960's. By the 1970's, the Town built the new Vanada Road WWTP to accommodate the future growth. As the system continued to grow, the WWTP was expanded in 1990 and again in 2001.

# History Continued

- The system continues to grow rapidly today
- The original construction of the system included the use of mainly clay tile pipe
- As new pipe products became more cost effective, of better quality and easier to install, PVC pipe became the standard for installation in the system
- Unfortunately, the use of clay pipe coupled with the lack of standards to enforce during the installation left the utility with lines that leak
- Clay pipe was installed in the system up until the late 1980's

# Inflow and Infiltration

- EPA and IDEM became the entities that ensured that the 1970 passage of the Federal Clean Water Act was enforced
- Inflow and Infiltration are terms used to describe the clear water that enters the system via surface water and ground water
  - Inflow is defined as surface water that enters a sewer system via gutter drains, drainage inlets, sump pumps and open manhole frames
  - Infiltration is defined as clear water sources allowed to enter the sewer system through defective pipe joints, improper lateral taps to the main line, leaking manholes and broken mains
- The primary goal of the enforcement agencies was to prevent sewer overflows
- Thus, the focus on construction methods and materials used to construct the system conveyances changed dramatically
- To further the cause for achieving better management of collection and treatment systems, the USEPA formulated the Capacity, Management, Operation, and Maintenance program known as CMOM.

# Inflow and Infiltration Continued

- Methods to Manage the Problem
- 1. Transport and Treatment
  - Transport and treatment is defined as the conveyance of all wastewater, including clear water that enters the system, to a treatment facility without overflows
  - This has been the primary method used by the utility to approach the problem of I/I and prevent overflows
  - In general, transport and treatment has proven to be a conservative and effective approach to prevent overflows

# Inflow and Infiltration Continued

## 2. Preventing Clearwater From Entering the System

- 1. Visual Inspection of the System
  - 2. Sealing Manhole Frames
  - 3. Slip Lining
  - 4. Point Repairs
  - 5. Replacement of Lines
- The utility is currently embarking on the first major slip lining program

# Inventory of Current System

- 161 miles of gravity sewer collection system lines
- 26 miles of pressure force main lines
- 26 sanitary sewer pumping stations
- 1 Waste Water Treatment Plant
- Approximately 8500 customers serviced

# Major New Projects

- In pursuit of developing a system that accommodates development along with the need to prevent sanitary sewer overflows, numerous projects have been completed over the years. They continue to be completed today as issues with overflows and growth confront the utility.

# Major New Projects Continued

- WWTP Expansion Project
  - 1. Site Improvements and Additions
  - 2. Rated Capacities Dry Weather/ Wet Weather
    - Dry Weather from 4.6 to 7.4 MGD
    - Wet Weather from 14.6 to 18.8 MGD



# Major Projects Continued

- Collection System Projects
  - 2 Heathervale Lift Station Upgrade
  - 3 Lincolnwood Lift Station Improvements
  - 4 Birch Drive Sewer Relocation
  - 5 Bartlett Street Sewer Upgrade
  - 6 Royal Highlands Lift Station Upgrade
  - 7 Powers Place Lift Station Force Main
  - 8 Blue Lake Lift Station VFD Pump Improvements
  - 9 Blue Lake LS Force Main Upgrade
  - 10 Power Place Lift Station Replacement
  - 11 Bellmore Development Off-site Sewer Extension
  - 12 Old Lock and Dam Lift Station Force Main (#1) Up-Grades
  - 13 River Ridge Lift Station (#2) Up-grades
  - 14 Colonial Hills Interceptor Improvements
  - 15 Annual Sewer Maintenance and Equipment
  - 16 Camera Truck and Jet Vacuum
  - 17 Lincoln Ave Utility Relocation
  - 18 Install Remote Telemetry in L.S.. 1, 2, 5 and 8