

MINUTES  
HEALTH & SANITATION COMMITTEE  
January 5, 2010

The Penn Township Health & Sanitation Committee met in public session on Tuesday, January 5, 2010 at 7:10 PM following the Public Works Committee. Present were Chairman Rewa and Commissioners Prieber, Heilman, Goldsmith and Felix. Also present were Manager Garvick, WWTP Superintendent Mahone, Township Engineer Bortner, Administrative Assistant Rodgers, and Highway Foreman Mahan. The following items were discussed.

ANNOUNCEMENTS: None

APPROVAL OF MEETING MINUTES: Minutes from the December 1, 2009 meeting were approved as presented.

CITIZENS REMARKS: Dave Rambol, 23 Ivy Circle, stated that he wanted a recalculation for the increase in sewer rates so that the base rate is lower than the seven thousand gallons with an additional charge for each 1000 gallons over the minimum. He stated that his water consumption was 3,000 gallons. He feels that the seven thousand gallon base rate is too high and he is subsidizing those that use more than seven thousand gallons. He feels the rate should be recalculated now since the cost estimates are being made available tonight. The Committee informed Mr. Rambol that they would be willing to revisit the rate structure once the bidding of the project has occurred. The estimates that they receive are just estimates and things can change when the project is bid.

FINAL DESIGN AND COST ESTIMATES: WWTP Superintendent Mahone introduced Joel Kostelac, Bill Ladou, and Thomas Whittle from CET Engineering who presented the final design for the upgrade to the Township's wastewater treatment plant.

Mr. Kostelac provided a presentation, which showed the current treatment plant and how it will be modified for the upgrades. The design will allow the use of some of the existing facilities. The current plant is designed for an average daily flow of 4.2 million gallons per day (MGD) while the "new" plant will allow 5.0 MGD average daily flow to 14 MGD peak hourly flow. There is some site and demolition work that needs to be completed before the work can begin. The final clarifiers, pump pit, nitrification towers, and old plant sludge thickener will be removed. Portions of the control building and aeration and stabilization tanks will be selectively demolished. He reviewed the scope of the new headworks and what will be constructed. Sewage will travel through coarse screen, bypass channel, and raw influent pumps, to the submersible pumps equipped with variable frequency drivers, while the screenings are placed into a washer/grinder/compactor for disposal. The waste will then pass through a fine screening and then through a pump station. This will help protect the processes downstream. Everything is being built so there is flexibility to upgrade the plant in the future. The waste will then travel to the anoxic basins. This is a new technology where nitrogen is converted and gasifies into the atmosphere. The next stage is the aeration basins, which will remain as it currently is in these tanks. The current diffused air equipment dates from 1991. The only modifications will be hydraulic. There is an expensive control system that needs to be installed. This will measure how toxic the waste is and will allow the best treatment of the waste. The next part of the process is the final clarifiers. There will be water pumped through the plant twice to help with the

removal of nutrients, which will cause an increase in the energy used by the plant. The next process is the clarifiers, which aids in the solid removal. A new process will be installed which will be a cloth filter system that will further remove solids and particulates. The current flow process goes through a sand filter, which will be removed. There are some other items that will occur with the project and they are a chemical storage and feed system, plant water system, process control and monitoring system, electrical upgrades including a new backup generator, and control building upgrade. Mr. Kostelac reviewed the expected results, which will meet the Chesapeake Bay reduction requirements for the foreseeable future. The estimated cost of the project is \$21,907,000, which includes construction costs, project contingency, mobilization and demobilization along with design, permitting, land development, administration of the bid and award and the construction inspection. He provided a time line on the project which is to release the bid in April; open bids in June; award the contract in early summer; and construction to beginning in early fall. The upgrades need to be substantially complete by September 2011 and compliance reports have to be sent by the end of September 2012. Commissioner Heilman expressed frustration about the 14% of the problem being solved by this process and the lack of funding by DEP with H2O grants.

TOWER MEDIA RECYCLING PROJECT: Superintendent Mahone stated that Bluebird Recovery is removing the plastic media from the biological nitrification towers at the Wastewater Treatment Plant. Equipment should be here around January 16th to start the removal process.

CHRISTMAS WRAP & RECYCLING: Superintendent Mahone reported on the 2009 Christmas wrap and recycling project. He reported that the project cost was \$645.69 with less recycled cardboard than in past years. There was some concern about the reduction in cardboard but it was noted that there is reduction in the volume of all the recyclables. Then Committee noted that Mr. Don Brady again provided nineteen volunteer hours for the project.

CHRISTMAS TREE PICKUP: Superintendent Mahone reported that Christmas tree pick up would be held the week of January 18, 2010.

DEP GRANT: Superintendent Mahone reported that the Township received notification that it will receive \$121,592 in grant funds for the 2007 904 grant.

CITIZENS QUESTIONS TO THE COMMITTEE REGARDING DISCUSSION ITEMS:  
None.

The meeting was adjourned at 8:07 PM.

Respectfully Submitted,

Jeffrey R. Garvick, Manager