



**TOWN OF MILFORD  
BOARD OF SEWER COMMISSIONERS  
WASTEWATER TREATMENT FACILITY  
P.O. BOX 644**

**MILFORD, MA 01757-0644**

Milford Sewer Disposal Plant Tel. (508) 473-2054 • Office Tel. (508) 478-0059

Richard J. Cenedella  
Commissioner

Thomas Morelli  
Commissioner

John Mainini  
Director of Operations/  
Superintendent

**MILFORD BOARD OF SEWER COMMISSIONERS  
MINUTES  
April 24, 2012**

Rudolph V. Lioce III  
Commissioner

John Consigli  
Admin. Assistant

The Sewer Commissioners Meeting was called to order at 6:00 P.M. in room #14 of the Milford Town Hall.

Present: Richard Cenedella - Chairman  
Rudy Lioce III - Commissioner  
Thomas Morelli - Commissioner  
John Mainini - Superintendent  
John O'Connell - Tata & Howard  
Amanda Cavaliere - Tata & Howard  
Kevin Rudden - Town Crier  
Brian Benson - Milford Daily News  
John Consigli - Administrative Assistant

*Handwritten initials: RL and a signature.*

Mr. Morelli nominated Mr. Cenedella as Chairman in the yearly reorganization of the Board, seconded by Mr. Lioce. Accepted by Mr. Cenedella.

The Payroll & Bills were reviewed and signed by the Board.

A motion was made by Mr. Lioce to approve the Meeting Minutes from March 27, 2012, seconded by Mr. Morelli and made unanimous by Mr. Cenedella.

A motion was made by Mr. Lioce to have the next Sewer Commissioners Meeting on May 22, 2012 at 6:00 P.M. in Room #14 of the Town Hall, seconded by Mr. Morelli and made unanimous by Mr. Cenedella.

At 6:05 P.M., Mrs. Gisele McLaughlin of 12 Godfrey Lane approached the Board for an explanation of her Sewer Use Abatement granted by the Board on September 27, 2011. After an explanation by the Board, Mrs. McLaughlin was satisfied and left the meeting at 6:20 P.M. The Abatement stayed the same as previously voted upon.

Mr. Lioce made a motion to approve three FY2012 Sewer Use Abatements and send a letter to Town Accountant, seconded by Mr. Morelli and made unanimous by Mr. Cenedella.

Mr. Lioce made a motion to approve six FY2012 Sewer Use Reimbursements, seconded by Mr. Morelli and made unanimous by Mr. Cenedella.

Mr. Lioce made a motion to approve Milford Planning Board's Site Waiver Plan for 196 East Main Street since there is no change in water use and send a letter to the Milford Planning Board, seconded by Mr. Morelli and made unanimous by Mr. Cenedella.

Mr. Lioce made a motion to approve a Sewer Connection Permit for 2 Naples Street, seconded by Mr. Morelli and made unanimous by Mr. Cenedella.

Mr. Morelli made a motion to approve a Sewer Connection Permit for 2 Mitchell Road, seconded by Mr. Lioce and made unanimous by Mr. Cenedella.

At 6:25 P.M., Mr O'Connell commenced the public hearing portion of the meeting by presenting the Comprehensive Wastewater Management Plan to the Board. Dubbed the Road Map to the Future of the Milford Sewer System, the 20 Year Capital Improvement Plan for the Sewer Plant was discussed.

Mr. O'Connell stated that the Milford Sewer Plant is in good shape for the next 20 years. He went on to say that currently, 90% of all development in Milford is on Town Sewer.

He demonstrated a historical flow chart analysis of sewer flows to the plant from January 2005 through the end of 2010. His charts indicate there has been some decline in flow. After a big rainfall event, flow to the plant increases, not from groundwater, but from inflow or sump pumps. He used the charts and analysis to explain that in 2008, we did infiltration/inflow work and repairs to the manholes, thus removing groundwater flows to the plant. In 2009, the flows were still going down. In 2010, large rainfalls indicate spikes in inflow to the plant due to sump pumps turning on.

Mr. O'Connell summarized a graph which indicated infiltration/inflow to the plant. The average over the five year period was 2.0 Maximum Daily Flow (MDF). He pointed out that we can maintain this level for the next 20 years provided that we manage infiltration and inflow. Another graph indicated peaking factors to the plant. From the flow chart, it was indicated that there is one peaking flow in the morning when people are taking showers and one again in early evening.

Mr. O'Connell then projected ahead to the year 2030. Tata & Howard is projecting the average daily flow at the plant to be 4.4 mgd. The current capacity at the plant is 4.3 mgd, so they are indicating that the plant should be in good shape.

We have had no violations of our NPDES permit issued from the Environmental Protection Agency for five years. It is projected that the plant will continue to do that.

Removal of copper and aluminum has been the biggest challenge for the plant. The NPDES permit was adjusted to handle the additional copper output by the plant, we are in compliance now. The EPA has not given us an order to comply in five years.

Aluminum is added to the PAC to take out copper and phosphorous. We are doing as well as can be expected for aluminum. We are also doing well for phosphorous as we are not polluting the river.

Mr. O'Connell then presented some background historical information on all the major components of the plant including the pumping stations. All the major and minor operating machinery of the Plant are deemed adequate with repair and replacement as needed over the next 20 years. It is recommended that we use our temporary screw pump on a more permanent basis as opposed to installing an additional fixed screw pump.

It was pointed out that the Aerated Grit Chambers have to be maintained regularly, but they are adequate for the next 20 years. The Primary Clarifiers run 24/7 and are adequate now. It is recommended that they be replaced in the 20 year plan. The Intermediate Clarifiers are adequate but should be replaced in the next 20 years. The Rotating Biological Contractors are adequate but should also be replaced in the next 20 years. Bearings and shafts should be replaced before they break. Mr. Mainini indicated he would like to have a spare RBC shaft for emergencies in case one breaks. The Final Clarifiers are not stressed at all. The quality of water being released is good and they need to be replaced as needed. The Sand Filters were rebuilt 5-6 years ago and have the adequate capacity to meet the next 20 years. The Ultra Violet Disinfection System takes out a lot of bacteria. This system enables us to be at or below the NPDES Permit.

Mr. O'Connell indicated that biggest capital investment they project is a Sludge Processing Area in order to fill the tanker trucks completely and quickly. Currently, sludge is stored throughout the plant. It is recommended that a belt thickening device be used to compress the water out of the solids along with sludge pumping modifications to reduce transportation of solids. The return on investment will pay for itself in a few years by saving on transportation costs.

Mr. O'Connell is recommending spending approximately two million dollars over the next few years to improve the plant. He spoke of the various pumping stations where work should be performed over the next ten years. Provided nothing changes over the next 20 years, the Plant will be in good shape. If a major development such as a casino big industry or large apartments came to town, we would need a major rebuild.

Before the May 22, 2012 Board Meeting, Mr. O'Connell will present each Commissioner a copy of the CWMP. He will schedule 15 minutes during the next meeting for questions and answers. The open hearing was finished by 7:20 P.M.

At 7:20 P.M., Mr. Lioce made a motion to adjourn, seconded by Mr. Morelli and made unanimous by Mr. Cenedella.

Respectfully Submitted,

John Consigli  
Administrative Assistant