

SEWER COMMISSION
THURSDAY, June 11, 2009

A Meeting of the Board of Sewer Commissioners was held on June 11, 2009, at 7:30 p.m. in Conference Room A at the Thomas C. Parsons Complex, 70 West River Street.

Chairman, Paul Austin called the Sewer Commission meeting to order at 7:30 p.m.

The following Commission Members were present:

Chairman Paul Austin; Vice Chairman Donald Anderson;
Commissioner Michael V. Brown; Commissioner Robert
Carroll; and Commission Louis D'Amato

Others Present: Consultants Raymond Macaluso and Raymond Paier,
Westcott & Mapes, Inc.; Consultants, AECOM, Inc.
Kenneth Bradstreet and Charlie Smith; James Cooper,
Acting Wastewater Superintendent

Absent: None

CITIZENS COMMENTS:

Alan Chapin, 78 Barton Road, Milford, Facilities Director of Alinabal, 28 Woodmont Road has a small cafe for his employees. The cafe is classified as a Class 4 by the Health Department. To comply with Connecticut DEP Regulations, Mr. Chapin was notified that he must install a 1,000 gallon exterior grease trap or install an AGRU. In order to install the 1,000 gallon exterior grease trap, they would need to remove approximately five feet of concrete floor. The concern is if they cut through floor, they are not sure what is underneath, electrical wires, plumbing, etc. and are concerned for the safety of the workmen or possibly they could lose part of their facility for a period of time. This cafe would serve approximately 40 to 50 employees for two noontime meals and two coffee breaks, five days a week.

Raymond Macaluso, Westcott & Mapes, Inc., Laura Miller from the Health Department, and Jim Cooper, Acting Superintendent in Wastewater Treatment inspected the facility. Raymond Macaluso stated that there are a lot of unknowns regarding the concrete floor, and it would be almost impossible to install the exterior grease trap without extensive excavation.

Mr. Chapin is requesting the Sewer Commission grant approval to install an AGRU, Automatic Grease Recovery Unit; all appropriate permits and inspections would be obtained. If this is granted, Mr. Chapin must provide the Sewer Commission with certified calculations from a licensed Connecticut engineer for the sizing of the AGRU for their facility. Chairman Paul Austin stated that this sounds like a reasonable request, however, Mr. Chapin also must submit an application to the Sewer Commission for consideration.

PETITIONS**Frederick Detar, 9 Stowe Avenue, Milford, CT - Non-Conforming application**

Application is to connect a two-family to the City Sanitary Sewer System. Mr. Detar is approximately 120 feet from the increased flow district and is asking for an exception. Currently not zoned with Planning and Zoning as a two-family. Mr. Detar is requesting that the Sewer Commission approve the transfer of gallonage from two City of Milford owned lots to his parcel of land. Chairman Paul Austin stated that the Sewer Commission does not have the authority to transfer gallonage from City owned or any other property.

Commissioner Michael Brown **MADE A MOTION** to deny Mr. Detar's request to connect a two-family house to the City's Sanitary Sewer System.

Vice Chairman Donald Anderson **SECONDED** and it was unanimously approved.

TABLED APPLICATIONS

None

WESTCOTT & MAPES, INC.**Raymond Paier, Westcott and Mapes, Inc. presented the report:****A. Indian River Interceptor Rehabilitation**

Westcott and Mapes, Inc. reported this project has been submitted to the Inland Wetlands Agency and will be accepted at their June 17th meeting. The project has been submitted to DEP for their approval. In addition, easements are in the process of being acquired, which will then go before the Board of Alderman for authorization.

B. East-West Interceptor Replacement

Westcott and Mapes, Inc. reported that this project is complete apart from minor punch list items and the 12-month warranty period.

Westcott and Mapes, Inc. also reported that we have received Pay Application No. 9 from Mark IV Construction Company, Inc. Westcott and Mapes, Inc. has reviewed the application and recommends approval of Pay Application No. 9 in the amount of \$335,705.40.

In addition, Westcott and Mapes, Inc. submitted Change Order No. 11 in the amount of \$36,750.00. This change order is for sandfill of the sewer along Erna Avenue and was approved at the last meeting.

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order No. 11 in the amount of \$36,750.00.

Commissioner Louis D'Amato **SECONDED** and was unanimously approved.

Westcott and Mapes, Inc. also submitted the Certificate of Substantial Completion for the project with the attached Semi-Final Inspection Punch List. Westcott and Mapes, Inc. recommends acceptance of the Certificate of Substantial Completion.

Commissioner Robert Carroll **MADE A MOTION** to accept the Certificate of Substantial Completion by Mark IV regarding the East/West Interceptor.

Vice Chairman Donald Anderson **SECONDED** and was unanimously approved.

Also, Westcott and Mapes, Inc. reported receipt of a request for reduction of retainage. Westcott and Mapes, Inc. recommends Commission approval and forward onto the City Attorney for approval.

Commissioner Louis D'Amato **MADE A MOTION** to forward Mark IV's request for a reduction of their retainage for the East/West Interceptor project to the City Attorney for approval.

Commissioner Michael Brown **SECONDED** and was unanimously approved.

C. East Broadway Interceptor Replacement

Westcott and Mapes, Inc. reported that the payment request submitted at the March meeting is presently being handled by the City Attorney.

D. West Avenue Parallel Force Main

Westcott and Mapes, Inc. reported that bids were opened yesterday for this project and that Louis Gherlone Excavating, Inc. submitted the low bid. Westcott and Mapes, Inc. is reviewing the bids and references received. Pending satisfactory review of their bid submission, Westcott and Mapes respectfully requests award to Gherlone Excavating.

Commissioner Michael Brown **MADE A MOTION** to accept the award of the West Avenue Parallel Force Main Project to the lowest bidder, Louis Gherlone Excavating, pending satisfactory review of their references and qualifications of their bid submission by Westcott & Mapes, Inc.

Commissioner Louis D'Amato **SECONDED** and was unanimously approved.

E. Buckingham Avenue Force Main

Westcott and Mapes, Inc. reported that this project was submitted to the Inland Wetlands Agency and it will receive administrative approval. Coastal Area Review by the Planning and Zoning Board was received and the project has been submitted to DEP for their approval.

EARTH TECH/AECOM, INC.

A. Housatonic & Beaver Brook Wastewater Treatment Plants

1. Carlin's Payment Requisition #31 in the amount of \$1,951,855.22 is presented to the Board for approval. This requisition includes work through May 15, 2009 as follows:

The majority of the requisition is reduction of Retainage from 5% to 2%. In the next few months we will evaluate and further reduce the retainage to that amount necessary to protect the City against any uncompleted work and open issues.

Housatonic Plant - \$1,523,858.18

Site regrading, sidewalks, maintenance strips and landscaping
Operations Building – plumbing, HVAC, electrical
SCADA system
Punch List work

Clarifiers #1, #2, & #4 are operational

The odor control system will be started up in the next few weeks

Beaver Brook Plant - \$427,997.04

Landscaping
Punch List work

Performance testing for the odor control system was successfully completed.

2. Change Order #73 in the amount of \$113,962 is submitted to the Board for approval. It includes removal and disposal of sludge and debris from the Secondary digester at the Housatonic plant.

Commissioner Robert Carroll **MADE A MOTION** to approve change order No. 73 in the amount of \$113,962.00.

Vice Chairman Donald Anderson **SECONDED** and was unanimously approved.

3. Change Order #74 in the amount of \$43,229.00 is submitted to the Board for approval. It includes miscellaneous items of work done at the Housatonic plant on a time and materials basis including:
 - A. Replacement of the deteriorated sanitary line from the Operations Building to the Grit Chamber (\$10,252)
 - B. Installation of salvaged handrail at the North Aeration Tank as a result of grade change to the roadway. (\$3,091)

C. Miscellaneous site work including removal of trees, concrete stairs and pads, adjust existing manhole, adjust plant water hydrant, expand maintenance strip at UV structure. (\$9,440)

D. Drain pump and related electrical for use with dewatering manholes. (\$20,446)

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order No. 74 in the amount of \$43,229.00.

Commissioner Robert Carroll **SECONDED** and was unanimously approved.

4. Change Order #75 in the amount of \$48,941.00 is submitted to the Board for approval. It includes miscellaneous items of work done at the Housatonic plant on a time and materials basis including:

A. Repair siphon vent piping in the Digester Building penthouse. (\$4,213)

B. Modify odor control piping at the Operations Building . (\$14,247)

C. Miscellaneous repairs to deteriorated plant water piping. (\$2,959)

D. Additional piping and valves to connect water softener and plant water system to the odor control system. (\$23,537)

E. Relocate unit heater and repair trench drain in the Operations Building. (\$3,985)

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order No. 75 in the amount of \$48,941.00.

Commissioner Louis D'Amato **SECONDED** and was unanimously approved.

5. Change Order #76 in the amount of \$5,754.00 is submitted to the Board for approval. It includes furnishing a pump and electrical connection to utilize with the dewatering manhole at the Beaver Brook Plant (\$8,254) and includes a credit of \$2,500 for refurbishing the clamshell bucket at the Beaver Brook Grit Chamber in lieu of a new bucket.

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order No. 76 in the amount of \$5,754.00 which includes a credit of \$2,500.

Commissioner Robert Carroll **SECONDED** and was unanimously approved.

6. Change Order #77 in the amount of a \$207,242.43 credit is submitted to the Board for approval. This includes elimination of remaining unit price items at the Housatonic plant.

Commissioner Robert Carroll **MADE A MOTION** to approve change order No. 77 in for a credit of \$207,242.43.

Vice Chairman Donald Anderson **SECONDED** and was unanimously approved.

7. Three offices at the Housatonic plant have not been renovated as part of this construction project. We asked Carlin Contracting for a proposal to replace carpeting, ceiling tiles and lighting in these offices. The estimated cost of this work would be \$22,260. We are requesting approval of the Board to proceed with this work.

Commissioner Robert Carroll **MADE A MOTION** to approve proposal to replace carpeting, ceiling tiles and lighting in three offices at the Housatonic Wastewater Plant in concept for the estimated amount of not to exceed \$22,260.00.

Vice Chairman Donald Anderson **SECONDED** and was unanimously approved.

8. The spreadsheet showing the status of the project contingency account has been updated to reflect change orders to date, unit price items to date, other expenses, and pending items of work. Based on this the Project Status is:

Total change orders through #77	\$1,823,586
Total pending & potential change orders	\$ 60,051
Total remaining unit price items	\$ 0
Earth Tech/AECOM contract extension	\$ 213,060
Independent Materials Testing	\$ 125,000
Force Account work	\$ 20,000
Projected Contingency used	\$2,241,697
Total Contingency	\$2,333,372
Remaining contingency	\$ 91,675

9. The project is approximately 98% complete.

B. West Avenue and Gulf Pond Pump Station and Force Main

1. Earth Tech is continuing to update the design of the pump stations as well as package the plans and specifications for bidding. We anticipate advertising this project for bids approximately 6 months following advertisement of the force main project, which was done on Monday, May 5, 2009.

C. East Broadway Pump Station Relocation

1. The design for the project is almost complete and the plans and specifications are being packaged for bidding.

2. The sewer portion of the project crosses the wetlands, which requires review by the Inland Wetlands Commission. Submittal of plans will be made on June 17 and a Public Hearing will be held on July 1.
3. As discussed at last months Board meeting, a request was received from the Milford Housing Authority to provide emergency power service to the apartment complex for emergency lighting and elevators from the new pump station we are constructing on West Mayflower Place. Their existing generator is not in code compliance and the exhaust affects building residents. We are in negotiations with the Housing Authority for an expanded easement.

We are reusing the East Broadway Generator in this new pump station location. Our Electrical Engineers have determined that the generator has sufficient capacity to furnish the requested 100 KW to the apartment complex. This would require an additional panel in our pump station, either underground or above ground power feed and signal wire to the apartment complex and a transfer switch and step down transformer in the apartment building. We estimate that the additional cost to do this work would be \$45,000. Combined with the savings anticipated from reusing the existing generator, there would be no increase in cost to the City of the East Broadway project.

We are requesting approval of the Board to proceed with this work. There will be additional Engineering required to add this to the project.

Commissioner Louis D'Amato **MADE A MOTION** to proceed with the work in an amount not to exceed \$45,000.

Vice Chairman Donald Anderson **SECONDED** and was unanimously approved.

D. Welches Point and Rock Street Pump Stations

1. Earth Tech has started design work on this project.

E. West Avenue Pump Station Emergency Repairs

1. The West Avenue Emergency Repairs have been successfully completed. There is a minor amount of paving and clean up remaining.

USER FEE REVISIONS/ASSESSMENT REVISIONS

None

COMMITTEE REPORTS

None

CONSULTING ENGINEER'S REPORT

None

WASTEWATER

Plants

Both Wastewater Plants performed well in the month of April, producing a good effluent.

At the Housatonic Plant normal monthly maintenance was performed. North Aeration basins and anoxic tanks are up and running. We still have problems related to the East West Interceptor work, although repairs are planned. Many new systems are being started up. Manufacturers representatives for the ultra-violet dis-infection and the Aeration control have been working on these systems.

At the Beaverbrook Plant normal monthly maintenance was performed. Site restoration has been done at Beaverbrook, we are filling the secondary digester. We have had some problems with the aeration control system that are being worked on.

Collection System

Pump Stations

Scheduled maintenance was performed at the following pump station: Holly Street, New Haven Ave, Mayflower Place, and Old Field Lane pump stations

Other Duties performed by Pump Station Crews:

1. The lifting bails on the pumps at Old Field Lane Pump Station were replaced due to heavy corrosion and deterioration, they could have caused a pump to be dropped into the wet well
2. The check valve on the #2 pump was rebuilt at the New Haven Ave. Pump Station.
3. At Naugatuck Ave Pump Station we had to troubleshoot the pump level control system and make the necessary repairs to correct a problem with the lag pump.
4. The Gulf Beach pump station was opened up and is being evaluated for the upcoming season, it looks like we will need to repipe the system with new valves, fittings and possibly new pumps.
5. At the Mayflower Pump Station a squirrel knocked out power to the station and blew out a phase monitor, causing an alarm. The wastewater electrician had to make the repairs

There were nine (9) alarms at pump stations in April: 2 for power outages, and 7 for high water.

Sewer Maintenance

Sewer Maintenance answered twelve (12) complaints.

Sewer Maintenance crews performed scheduled maintenance sites six (6) trouble sites citywide: #10, #11, #13, #37, #48, and #49.

Scheduled maintenance was performed on the following equipment: The smoke testing blower, the ready 8 submersible pumps and the sewer jet truck.

There were five (5) sewer excavations in April: 15 Southern Parkway, 92 Overhill, 47 Tower Street, 54 Tower Street, and 395 New Haven Ave..

Other duties performed by Sewer Maintenance crews:

1. We assisted with the paving operation of Mark IV Construction on the East West Interceptor project.
2. The Technical Services Group tv'ed for acceptance the Devine Way sub-division.

Total of 10,312 ft. were jet flushed, 1416 feet were TV'ed with our standard TV equipment, and 1516 ft. were spy tv'ed. We also hand rodded 300 ft, used the hydraulic jet root cutter to relieve 450 ft, root treated 200 ft., smoke tested 980 ft. and dye tested 255 ft. to check for sewer connection.

I need to inform the Sewer Commission that the Board of Alderman cut a process operator position from the Wastewater budget in my opinion in violation of Connecticut General Statute Section 7-255 that says the WPCA (Sewer Commission) is responsible for the annual budget for wastewater facilities. I am working to try and change this but also believe the Department of Environmental Protection will issue a notice of violation because the process operator positions are state mandated positions that in essence unless the city proves that there is some change of plant process, equipment or procedure that an operator is no longer needed the position cannot be cut, creating a situation of the plant being understaffed intentionally.

CHAIRMAN'S REPORT

Administrative Approvals:

None

VOTING

A. PETITIONS - See above

B. MINUTES

Commissioner Louis D'Amato **MADE A MOTION** to approve the minutes of the Regular Sewer Commission Meeting of May 7, 2009.

Vice Chairman Donald Anderson **SECONDED** and it was unanimously approved.

A. PAYMENTS

Vice Chairman Donald Anderson **MADE A MOTION** to approve Payment List of June 11, 2009 as follows:

to **Carlin Construction**, Housatonic Plant Upgrades, P.O. 07-0046625-001, Account No. 0026-4154-0036-4994-0025 in the amount of **\$1,523,858.18;**

to **Carlin Construction**, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026-4154-0036-4994-0024 in the amount of **\$427,997.04;**

to **Mark IV Construction**, East/West Interceptor Sewer Replacement, P.O. 08-0050441-001, Account No. 0026-4154-0044-4994-0000 in the amount of **\$335,705.40;**

to **Westcott & Mapes**, Buckingham Avenue Force Main, P.O. No. 08-0050540-001, Account No. 0026-4154-0045-4993-0000 in the amount of **\$6,682.50;**

to **Westcott & Mapes**, East/West Interceptor Sewer Replacement, P.O. No. 08-0050648-001, Account No. 0026-4154-0044-4993-0000 in the amount of **\$8,055.00;**

to **Westcott & Mapes**, East Broadway Interceptor Replacement Construction, P.O. No. 07-0047721-001, Account No. 0026-4154-0036-4993-0027 in the amount of **\$805.00;**

to **Westcott & Mapes**, West Avenue Parallel Force Main, P.O. No. 08-0050658-001, Account No. 0026-4154-0044-4993-0000 in the amount of **\$27,397.50;**

to **Westcott & Mapes**, Indian River Interceptor Replacement, P.O. No. 08-0050659-001, Account No. 0026-4154-0036-4993-0033 in the amount of **\$10,942.50;**

to **Earth Tech**, East Broadway Pump Station Replacement, P.O. No. 05-0043160-001, Account No. 0026-4154-0036-4993-0022 in the amount of **\$38,380.00;**

to **Earth Tech**, Contract Engineering Services WWTP Upgrade, P.O. No. 06-0045461-001, Account Nos. 0026-4154-0036-4993-0024 and 0026-4154-0036-4993-0025 in the amount of **\$57,122.47.**

The total of Payment List of June 11, 2009 is in the amount of **\$2,436,945.59.**

Commissioner Louis D'Amato **SECONDED** and it was unanimously approved.

Vice Chairman Donald Anderson **MADE A MOTION** to approve Payment List of June 11, 2009 regarding the West Avenue Pump Station Emergency Repair as follows:

to **Carlin Construction**, West Avenue Pump Station Emergency Repair, P.O. 09-0052919-001, Account No. 0012-4426-2121-4990-0604 in the amount of **\$417,064.00;**

to Westcott & Mapes, West Avenue Pump Station Emergency Repair , P.O. No. 09-0052878-001, Account No. 0012-4426-2121-4181-0000 in the amount of \$9,900.00.

The total of the Payment List of June 11, 2009 regarding the West Avenue Pump Station Emergency Repair is in the amount of \$426,964.00.

EXECUTIVE SESSION

Vice Chairman Donald Anderson **MADE A MOTION** to go into Executive Session for the purpose of status report and consideration regarding Housatonic Wastewater Treatment Plant.

Commissioner Robert Carroll **SECONDED** and it was unanimously approved.

Chairman Paul Austin announces the time at 8:47 p.m. and states that the Executive Session will be limited to the members of the Sewer Commission Raymond Macaluso and Raymond Paier of Westcott and Mapes, Inc..

Recorder is turned off and the room is cleared of all individuals not invited and the door is shut.

Vice Chairman Donald Anderson **MADE A MOTION** to end the Executive Session.

Commissioner Michael Brown **SECONDED** the motion.

Chairman Paul Austin announces the time as 8:58 p.m..

Commissioner Robert Carroll **MADE A MOTION** to open the Regular Sewer Commission Meeting.

Commissioner Michael Brown **SECONDED** the motion and it was unanimously approved.

Commissioner Robert Carroll **MADE A MOTION** to authorize Raymond Macaluso of Westcott & Mapes, Inc. to send the necessary contracts to the City Attorney, and once we receive his approval, Board of Sewer Commissioners authorize Chairman Paul Austin to sign said contracts considering the Housatonic Wastewater Treatment Plant repairs.

Vice Chairman Donald Anderson **SECONDED** and it was unanimously approved.

Vice Chairman Donald Anderson **MADE A MOTION** to adjourn at 9:00 p.m..

Commissioner Robert Carroll **SECONDED** and it was unanimously approved.

The next meeting of the Board of Sewer Commissioners is scheduled for **Thursday, July 9, 2009 at 7:30 p.m.**

Respectfully submitted,

Cynthia N. Valeo, Clerk
City of Milford Sewer Commission