

SEWER COMMISSION

A meeting of the Board of Sewer Commissioners was held on August 6, 2009, at 7:30 p.m. in Conference Room A of the Thomas C. Parsons Complex, 70 West River Street. Chairman P. Austin called the meeting to order at 7:30 p.m.

The following Commission Members were present:

Chairman Paul Austin, Commissioner Michael V. Brown,
Commissioner Louis D'Amato and Commission Donald Anderson

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

Excused: Commissioner Robert Carroll.

CITIZEN'S COMMENTS:

None.

PETITIONS ACCORDING TO DATE & TIME THEY WERE SUBMITTED

None.

NON CONFORMING APPLICATION (PETITIONS)

None.

TABLED APPLICATIONS

None.

WESTCOTT AND MAPES, INC.

Mark Davis, Westcott and Mapes, Inc. presented the following report:

A. Indian River Interceptor & Manhole Repairs

Westcott and Mapes, Inc. reported that easements are being acquired for this project and that they have been meeting with owners to discuss the impact on their property. This will be completed prior to any public meetings.

B. East/West Interceptor Replacement

Westcott and Mapes, Inc. reported final inspection of this project was performed on July 27, 2009. Mark IV is scheduled to complete the minor corrections identified during the inspection this week.

In addition, Westcott and Mapes, Inc. reported that they have received Pay Application No. 10 from Mark IV Construction Company, Inc., in the amount of \$137,050.21. This application includes a reduction of retainage from 5 percent to 2 ½ percent. Westcott and Mapes, Inc. has reviewed the Pay Application No. 10 and recommends approval.

C. East Broadway Interceptor Replacement

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

D. West Avenue Parallel Force Main

Westcott and Mapes, Inc. reported that Louis Gherlone Excavating, Inc. signed the agreements today and that they are being circulated through the appropriate City departments for certification.

E. Buckingham Avenue Force Main

Westcott and Mapes, Inc. reported this project has received DEP approval and that plans and specifications are complete. The Commission's approval of the plans and specifications, and to bid the project, is respectfully requested. If approved the project will go out to bid on Monday, August 10, 2009. The mandatory pre-bid conference will be held on August 18, 2009 with bids being opened on September 1, 2009.

He went on to explain the diagram and explained the expected time period would be 11 months.

Mr. Macaluso added they would need this Board's approval to go out to bid. He stated they received all approvals from Planning and Zoning and Inland/Wetlands. He also noted there would be no disturbance to the pond and reiterated all agencies have approved this.

Commissioners' Anderson and Brown made and seconded a motion to proceed forward.
Motion carried unanimously.

EARTH TECH, INC./AECOM TECHNICAL SERVICES, INC.

Kenneth Bradstreet presented the following report:

A. Housatonic & Beaver Brook Wastewater Treatment Plants

1. Carlin's Payment Requisition #33 in the amount of \$261,940.10 presented to the Board for approval. This requisition includes work through July 15, 2009 as follows:

Housatonic Plant - \$257,017.86

Distribution Box #2
Operations Building – plumbing, HVAC
Change Order Work
Demobilization
Punch List work

All systems have been completed.

Beaver Brook Plant - \$4,922.24

Change Order Work
Punch List work

There are some outstanding items of work at both plants, including performance testing of the belt filter presses and adjustment and testing of the dissolved oxygen control system.

2. Change Order #78 in the amount of \$20,050.00 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. Misc. site improvements – concrete pads (\$2,102)
- B. Misc. electrical work – Control wiring scum pumps and influent sampler & wiring in Operations bldg. (\$5,338).
- C. Relocate primary effluent sampler (\$5,776.00)
- D. Install electric strikes on 2 existing doors (\$1,732)
- E. Install drain line for water separator on gas mixing system (\$2,682)
- F. Provide fire rating for chemical room doors, at the request of the Fire Marshal

(\$2,420)

Commissioners' Anderson and D'Amato made and seconded a motion to approve Change Order #78 in the amount of \$20,050.00 as submitted.

Commissioner Brown asked if this could be cutting into the contingency monies.

Mr. Bradstreet responded no and that he would discuss that further in his report.

Motion carried unanimously.

3. Change order #79 in the amount of \$22,194.00 is submitted to the Board for approval. It includes replacement of carpeting, ceiling tiles and lights in 3 offices at the Housatonic plant. This change order was approved in concept at the June meeting of the Board.

Commissioners' Brown and Anderson made and seconded a motion to approve Change Order #79 in the amount of \$22,194.00 as submitted. Motion carried unanimously.

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

Total change orders through #79	\$1,865,830.57
Total pending & potential change orders	\$ 10,112.00
Total remaining unit price items	\$ 0.00
Earth Tech/AECOM Materials Testing	\$ 80,635.25
Independent Materials Testing	\$ 25,000.00
City purchase of phone system	\$ 20,000.00
Force Account work	\$ 20,000.00
 Projected Contingency Used	 \$2,214,637.82
Total Contingency	\$2,333,372.00
Remaining contingency	\$ 118,734.18

9. The project is approximately 99% complete.
10. The existing air-conditioning system for the office and laboratory area at the Housatonic plant no longer works. Replacement of the outside condensers and possibly replacement of the inside coils is required to put the system back in

operation. A budget range to do the work is \$25,000 to \$45,000. Before any work is done, Carlin's subcontractor will go through the system to determine just what is needed. This will cost approximately \$2,000. If we are to replace the existing system, an order must be placed with Trane by August 14th. After that date the condensers will no longer be available. If other problems are found during inspection of the system, it might be better to install a completely new system. In that case we will stop, get an estimate and bring it back to the Board next month. We are asking the approval of the Board to proceed with this work.

Commissioner D'Amato asked the size of the space.

Mr. Bradstreet stated there are offices on the first floor.

Mr. Cooper added the space is approximately 5,000 square feet.

Commissioner D'Amato stated the amount seemed high. Discussion ensued as to the recommendation they get additional quotes right away for a comparison.

Mr. Cooper suggested a "not to exceed" amount be noted.

Commissioner D'Amato suggested a whole new system stating the cost would be much lower.

Mr. Bradstreet explained these are complicated air handlers with various zones. Discussion continued regarding the air handlers.

Commissioner D'Amato reiterated they should get new prices and if they needed they could go with a new system.

Commissioners' D'Amato and Anderson made and seconded a motion to put the project out for quotes and see what the cost of a new system would be.

Mr. Cooper stated the question would be is whether it can be done under the auspicious of this renovation.

Motion carried unanimously.

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.

D. Welches Point and Rock Street Pump Stations

1. AECOM is continuing to 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 work remaining.

F. Emergency Repairs at Housatonic Treatment Plant

1. The primary clarifier has been emptied and is back in operation.
2. Belt Filter Press feed pump No. 1 was rebuilt and put into service. The flow rate more than doubled after the rebuild. Belt filter Press Pump #2 will now be inspected for damage.
3. Belt filter Press No. 2 was inspected by the manufacturer and grit was found inside the machine. BDP Industries will dismantle the unit on August 11th, will clean out the grit and will further inspect for damage.

USER FEE REVISIONS/ASSESSMENT REVISIONS

None.

COMMITTEE REPORTS

None.

CONSULTING ENGINEER'S REPORT

None.

WASTEWATER REPORT

Mr. Cooper, Acting Wastewater Superintendent presented the following report:

Plants

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

At the Housatonic Plant normal monthly maintenance was performed. The secondary digester is filling, and the operations staff is working with the waste sludge thickening equipment. There are still some issues with the odor control system, aeration control, and UV systems. Nitrogen removal for this year is going very well.

At the Beaverbrook Plant normal monthly maintenance was performed. Carlin Contracting is working on punch list items. We have some problems with the aeration control system and the odor control systems. We have found some leaks in the roof for the secondary digester affecting its gas holding capability. Nitrogen levels have been ok at Beaverbrook but have been hampered by the aeration control system not working properly.

Collection System – Pump Systems

Scheduled maintenance was performed at the following pump station: Naugatuck Avenue., Captains Walk and Crowley Ave.

Other duties performed by Pump Station Crews:

1. At Captain's Walk Pump Station we installed two VFD's with surge protection to convert single-phase power to 3-phase power thus eliminating the troublesome rotary phase converter.
2. All plant and pump station back flow converters were tested and repaired as necessary.
3. We started to install a new motor control center at the Mathews Street Pump Station. This panel is an upgrade with new soft starts, automatic pump alternation, new breakers, etc. This eliminates all the miss-matched components used over the years. This panel was also moved up from the bottom of the station to ground level for safety issues.
4. At Anderson Ave pump station we are making plans to upgrade the station by replacing some valves that are not working properly, and replacing the motors on the pumps. We will also clean out the wet well and replace the rotating assemblies on the pumps.
5. Lightning storms damaged the phase monitoring relays at the East Broadway and West Mayflower Place pump stations. Each had to be replaced.

There were seven (7) alarms at pump stations in June: 5 for power outages, 1 for control power and 1 for high water.

Sewer Maintenance

Sewer Maintenance answered six (6) complaints.

Sewer Maintenance crews performed scheduled maintenance sites seven (7) trouble sites citywide: #17, #18, #19, #20, #21, #27 and #33.

Scheduled maintenance was performed on the following equipment: The sewer jet truck and the sewer rodder truck.

There were three (3) sewer excavations in June: 38 Cowles St., 20 Evergreen Ave (United Way), and 136 Welches Point Road.

Other duties performed by Sewer Maintenance crews:

1. A blockage at the United Way building turned out to be a main line sewer that needed repair. There are still some issues with the United Way buildings sewer lateral that may require future work. (City owned building).
2. The crews relieved a main line blockage on Bertrose Avenue..
3. We also worked with Dukes Root Control treating over 10,000 feet of sanitary sewer citywide.

Total of 21,268 ft. were jet flushed; 2,550 feet were TV'ed with our standard TV equipment; and 285 feet were spy tv'ed. We also hand rodDED 185 feet, used the hydraulic jet root cutter to relieve 695 feet; root treated 515 ft; smoke tested 1,085 feet and dye tested 330 feet to check for sewer connections.

Just an update on our nitrogen removal after seven months of data in 2009 we are averaging 14 lbs/day below our limit set by the DEP for both plants combined. The total limit for both plants is 474 lbs/day (363 and 111) and we are averaging 460 lbs/day (330 and 130) we are hopeful of improving on these numbers for the next five months.

CHAIRMAN'S REPORT

Chairman Austin reported the following is a list of the Administrative Approvals, which have been approved since the July 9, 2009 meeting:

1. 282 West Main Street – 2 lot subdivision total gallonage + 900 gpd.

2. 257 Naugatuck Avenue – 2-lot duplex’s subdivision total gallonage + 540 gpd
3. 350 Boston Post Road – Valentine’s Diamond Center total gallonage + 48 gpd
4. 272 (a/k/a 270) Naugatuck Avenue – Chaves Bakery & Deli total gallons 791 gpd
5. 300 Seaside Avenue – Milford Hospital total gallonage + 48,748 gpd.

Commissioner Brown asked about Milford Hospital and if it were a recalculation.

Chairman Austin explained it is the construction of two new bathrooms.

VOTING

A. Petitions – None.

B. Regular Meeting Minutes: 7/09/09

Commissioners’ D’Amato and Brown made and seconded a motion to approve the minutes of the Regular Meeting held on July 9, 2009. Motion carried unanimously.

C. Payments

Commissioners’ Anderson and Brown made and seconded a motion to approve the payment List of July 9, 2009 as follows:

to Carlin Contracting Company, Housatonic Plant Upgrades, P.O. 07-0046625-001, Account No. 0026-4154-0036-4994-0025 in the amount of \$257,017.86;

to Carlin Contracting Company, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026 4154-0036-4994-0024 in the amount of \$4,922.24;

to Mark IV Construction, EastWest Interceptor Sewer Replacement, P.O. 08-0050441-001, Account No. 0026-4154-0041-4994-0000 in the amount of \$137,050.21;

to Westcott and Mapes, Buckingham Avenue Force Main, P.O. 08-0050540-001, Account No. 0026-4154-0045-4993-0000 in the amount of \$38,160.00;

to Westcott and Mapes, East/West Interceptor Sewer Replacement., P.O. 07-0047617-001, Account No. 0026-4154-0044-4993-0000 in the amount of \$27,010.00;

to Westcott and Mapes, West Avenue Parallel Force Main, P.O. 08-0050658-001, Account No. 0026-4154-0036-4993-0031 in the amount of \$9,415.00;

to Westcott and Mapes, Indian River Interceptor Repl., P.O. 08-0050659-001,
Account No. 0026-4154-0036-4993-0033 in the amount of \$2,210.00;

to AECOM/Earth Tech, East Broadway PS Replacement, P.O. 05-0043160-001,
Account No. 0026-4154-0036-4993-0022 in the amount of \$21,750.00; and

to AECOM/Earth Tech, Engineering Services WWTP Upgrade, P.O. 06-0045460-001,
Account No(s) 0026-4154-0036-4993-0024; 0026-4154-0036-4993-0025 in the amount of
\$75,875.56

The total of Payment List August 6, 2009 is in the amount of \$573,410.87.

Motion carried unanimously.

Commissioners' Brown and D'Amato made and seconded a motion to approve payment to
AECOM Earth Tech in the amount of \$4,663.02. Motion carried unanimously.

Being no further business to discuss, Commissioners' Brown and Amato made and seconded
a motion to adjourn. Motion carried unanimously.

The meeting adjourned at 8:20 p.m.

The next meeting of the Board of Sewer Commissioners is scheduled for Thursday,
September 3, 2009 at 7:30 p.m.

Respectfully submitted,

Kathleen K. Huber
Acting Recording Secretary