

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
JANUARY 19, 2012**

Chairman Ron Merancy called the regular meeting to order at 6:02 PM with the following in attendance:

MEMBERS:

Ron Merancy, Chairman
Rimas Balsys, Vice Chairman
Pat Mallane

OTHERS:

Jim Stewart, Public Works Director
Debbie Lichwalla, WPCA Secretary
John Batorski, Veolia

ABSENT: Catherine Aresta, Secretary

VISITORS:

Paul Bunevich, Land Data Engineers
Attorney Kevin McSherry
Doug Columb, Grasshopper Lawns
Jim Murphy, Unimetal Surface Finishing
Two (2) Others from Unimetal Surface Finishing

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **Acceptance of Regular Meeting Minutes for November 17, 2011 and December 15, 2011 will be tabled to the next Regular WPCA meeting on February 16, 2012.**

Acceptance of Regular Meeting Minutes for November 17, 2011 and December 15, 2011 will be tabled and added to the agenda for the next regular meeting scheduled for February 16, 2012.

3. **Executive Session.**

Tabled to the next Regular WPCA meeting scheduled for February 16, 2012.

4. **Commission / Discussion Regarding Old Business.**

- A. **Commission / Discussion regarding a proposed addition to the existing Unimetal Surface Finishing Industrial Building on East Waterbury Road.**

Jim Murphy representing Unimetal stated he gave Jim Stewart a copy of a proposed draft permit for discharging to POTW and explained that the draft proposes how general permits are replacing permits that large facilities on rivers have and that they have standardized criteria.

Jim Stewart commented that he is concerned with the volume of water into the sewer system.

Jim Murphy commented that Unimetal presently has direct discharge through the Naugatuck River from Thomaston doing 110 thousand gallons a day and should be doing 150-160 thousand gallons a day. He also stated that every line has a water meter for every department. Metrics are based on water usage.

Ron Merancy questioned the amount of water being discharging into the plant and asked what is the volume of water being used and how much will be recycled with a concern that overloading the plant would prevent anybody else from connecting to the sewer and other businesses from expanding.

The meter is currently shown more flow capacity than the pipe could handle and Jim recommended a meter device to show the monitor flow. Rimas recommended a sewer study be done to show what the maximum flow should be and what the solution will be.

Paul will have the requested information for the next WPCA meeting.

B. Commission / Discussion update on Hoadley and Aetna Streets.

Jim Stewart commented that the work is done with the exception of the final paving and final inspection. Jim stated that they took a bit longer due to some significant issues with utilities. They had to shift the sewer over to get away from the gas line that wasn't on the plans and specifications, then when it was marked it was shown right next to the sewer. They had to shift it over and put in a couple of more manholes which brought additional costs. (still under the quote) Additionally, there was a cost for the police service work.

There is another issue regarding additional cost for extra time due to the utility conflicts that the contractor said was not appropriated represented in the plans and specifications. Jim commented that he didn't look at the plans and specifications yet to come up with a determination of whether or not they will be due the additional costs.

There were a number of utility conflicts with the sewer. They actually cut into a gas line when they were told it was an abandoned water line.

C. Commission / Discussion update regarding Old Business on New Haven Road Parcels # 1198, #1202, and 1204 for Joseph DeSomma.

Jim Stewart commented that he spoke to the attorney who closed the sale regarding the owner of that parcel and stated he needs to write a letter to the owner to see if he can get a response.

5. **New Business and Correspondence.**

A. Commission / Discussion regarding a proposed Residential Housing Development of 9 Efficiency Units and 2 One Bedroom Units for property located at 56 Terrace Avenue.

Attorney McSherry stated it is currently owned by Terry and Jacqueline Buckmiller of 56 Terrace Avenue and passed out photographs. Attorney McSherry explained that it is the old mansion on the hill and it has an interesting history. It was originally a convalescent home with 40 patients and a staff of approximately 15 people. Later, it became an approved group home for 16 individuals and about 9 employees.

Attorney McSherry representing his client Doug Columb a potential buyer for the property located at 56 Terrace Avenue. Attorney McSherry stated that they are proposing a residential housing development of 9 efficiency units and 2 one bedroom units with about 13 people who will live there.

The Zoning Commission advised them from a zoning stand point that they can get an approval for a special permit through a valid non conforming use to restore the building. There will be no change to the existing structure or laterals. Currently, the building has 2 kitchens and 4 bathrooms. The proposed housing will have 11 small apartments, a total of 11 kitchens and 11 bathrooms when completed.

Attorney McSherry is looking for an approval from the WPCA regarding a confirmation on what the applied connection fee will be. Jim Stewart commented that the current connection fee is \$4250.00. Based on the fact that the building currently has 2 kitchens the fees to be paid would be for 9 more housing units. The total connection fee cost would be \$38,250.00.

Attorney McSherry and Doug Columb stated the argument is that the building is an existing connection, not a new connection and they're not in agreement with the fees. Ron Merancy commented that it's converting the use of the building and when you change the use of the existing usage you have to go by the current rules and regulations. The commission commented that the fees are the fees and they are a one time fee.

Attorney McSherry asked if the commission would consider, based on the size of the units, to compromise the building being a hotel/motel or other lodging facilities with sleeping units verses apartments.

Ron Merancy commented that if they are apartments they have would have to go by the current fee structure, if it is a hotel/motel or other lodging facilities it would be a one time fee of \$4250.00 for one unit and \$400.00 per sleeping unit for the other 8 units which would be \$3200.00 for a total of \$7450.00.

Attorney McSherry commented that they will resubmit and come back to the next WPCA meeting.

B. Connecticut Water Letter dated January 5, 2012 regarding Sewer Discharge scheduled Dates.

No Discussion.

7. Veolia Water - Summary of WWTF Operations – December 2011.

This report summarizes the activities at the Borough POTW for December 2011:

1. Highlights and Significant Issues: Please refer to the report.

2. Collection System Update:
Please see attached Collections Report.

3. Plant Performance Summary:
Please see the attached reports and graphs for additional performance details.

| Plant Process Data | Limit | Actual |
|-------------------------------|-------|--------|
| Total Suspended Solids (mg/l) | | |
| Influent Avg. | - | 167 |
| Effluent Avg. | 30 | 7 |
| Removal Efficiency | 85% | 96% |

| Plant Process Data* | Limit | Actual |
|---------------------|-------|--------|
| Carbonaceous BOD | | |
| Influent Avg. | - | 141 |
| Effluent Avg. | 30 | 4 |
| Removal Efficiency | 85% | 97% |

| | Naugatuck | Middlebury | Oxford |
|---------------------------------|-----------|------------|---------|
| OTR | | | |
| December Flow Avg. (MGD) | 7.8 | 0.806 | 0.106 |
| Sludge Liquid Total (MGal) | | | N/A |
| 3,367 | | | |
| Sludge Cake Total (Dry Tons) | | | |
| 6435.5 | | | |
| Septage Total (MGal) | 67,750 | 32,000 | 153,750 |
| 773,000 | | | |
| Discharge Permit Exceedance: | None | | |

Safety Incidents and Odor Complaints

| | Month | YTD |
|-----------------------------|-------|-----|
| Recordable Accidents | 0 | 0 |
| Lost Time Accidents | 0 | 0 |
| Odor Complaints | 1 | 30 |
| Unconfirmed Odor Complaints | 0 | 0 |

1. Compliance & Regulatory Issues

- a. There was one Odor Complaint for December. There were 30 odor complaints in 2011.
- b. The 4th quarter CEMS Opacity and Cylinder gas audits were completed with no issues. Final reports will be sent in January 2012.

2. Personnel

- a. Julio Tapia was hired to replace Richard Massicotte who retired effective Dec 21, 2011. He will start Jan. 3, 2012.

3. Health & Safety

- a. There were no recordable safety related incidents in December.
- b. The Quarterly Safety committee meeting was held Dec. 12, 2011.

4. Operational Information

- a. G&L completed the concrete pad for the spare heat exchanger. We expect to have the heat exchanger in place in 30 to 45 days. Lightning protection is expected to cost approximately \$1500.
- b. Two storm sewer manholes were repaired on the main access road in the plant. The blacktop/concrete around the manholes had deteriorated over the years from the constant truck traffic. In addition, the chemical unloading area, collections debris storage area was repaved as well for the same reason. Those repairs cost approximately \$10,000.
- c. The nitrogen credit fee as a result of the March 2011 high flows is expected to cost approximately \$50,000. The 831 lb March 2010 value with a monthly average flow of 10 MG adversely affected the annual average increasing it to 317 lbs. Average daily flows during sampling days of 19 MG, 16 MG, 16.7 MG, 12 MG resulted in lbs/day values in excess of 1000 lbs. Additional discussion with CTDEEP (Iliana Raffa) regarding the nitrogen credit cost resulting from an uncontrollable circumstance or Act of God (peak high flows for 1 week) indicated they will not take that into consideration.
- d. The north ash lagoon is about 60% empty. Ash removal will continue until the lagoon is empty or the weather becomes an issue.
- e. Duplicate nitrogen samples were sent to another lab for comparison with the analysis from Phoenix. The results will be tabulated to determine if there are discrepancies.

5. Collections

- a. The Hoadley St. sewer replacement started Dec. 15, 2011. The contractor used the Collections CCTV camera to examine the sewer for unmarked laterals. The camera became lodged in the sewer resulting in a cable break. The good news is that the camera was recovered intact and will be sent out for repairs.

- b. The vacuum pump (blower) for the vac truck was received. Collections staff is installing the blower and cyclonic separator. During the repairs, there were a few additional parts that were required.

6. Maintenance

- a. CCC-2, the cake receiving transfer conveyor drive from the foreign sludge hopper failed. That conveyor had several prior repairs thus the replacement was installed. The entire Spirac spare parts were reviewed despite a large order placed in July 2011. Approximately \$18,000 of mechanical drives (4 gear boxes) was ordered as critical spares. In addition, approximately \$72,000 of spare screws was purchased.
- b. The #6A internal recycle pump failed for the aeration tank on Dec 15. The spare pump was installed.
- c. The #4 final settling tank cross collector failed on Dec 20. Repairs are scheduled.
- d. ABS pumps will provide a try and buy pump program for the raw sewage pumps. The 60 HP pump would become an 85 HP pump at a cost of \$46,000. The 100 HP pump would become a 115 HP pump. We are investigating a trade in program for the existing VFD's to determine what the actual pump replacement cost would be.
- e. The control board failed for the ID fan. A control board from the aeration tank VFD was used to replace the defective part. The PLC logic was reloaded on the replacement board.
- f. The venturi was inspected and found to be in good repair. One actuator pin may need attention. Swemco, the manufacturer was contacted and will visit the site in early 2012.
- g. Sections of wear strips were replaced on the primary tank return flight supports. The steel work for the above water level wear strips has deteriorated to the point they will require replacement.
- h. New primary sludge grinders were installed as part of the Muffin Monster exchange program.
- i. The polymer pumps for the centrifuges were rebuilt.

7. Capital Projects

- a. The insulation has been installed on the hot oil heat exchanger and ductwork. Work continues with the installation of new rake arm assemblies for the #1 thickener.
- b. A package was submitted to CL&P in November 2011 for their review regarding energy efficiency grant funds for the replacement of the existing positive displacement blowers. The original package requested funding for 3, 250 HP blowers. The revised package now recommends 3, 150 HP blowers. There has been no reply from CL&P regarding the available incentives regarding this project.

**Borough of Naugatuck Collections System Report
Dec-11**

| | | |
|---------------------------|-------------------|---------------------|
| Calls for Service: | This Month | Contract |
| | 0 | Year to Date |
| 1 none | | 15 |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |

| | |
|---|---------------|
| Calls Caused By Collection System: | Reason |
| 1 none | |

| | | |
|-----------------------------|-------------------|---------------------|
| Line Flushing (feet) | This Month | Year to Date |
| | 7040 | 69623 |
| | Feet | Feet |

| | | |
|----|-------------------------------------|------|
| 1 | 12-5-11 fern st | 690 |
| 2 | 12-6-11 gorman st | 730 |
| 3 | 12-6-11 park ave | 500 |
| 4 | 12-6-11 wet well @ plant to centura | 1030 |
| 5 | 12-7-11 plant to cherry st ext | 500 |
| 6 | 12-7-11 carriage dr | 250 |
| 7 | 12-7-11 harvest dr | 285 |
| 8 | 12-9-11 prospect st siphon | 195 |
| 9 | 12-22-11 wedgewood dr | 400 |
| 10 | 12-22-11 wedgewood dr | 545 |
| 11 | 12-28-11 allen st | 165 |
| 12 | 12-28-11 allen st | 190 |
| 13 | 12-28-11 ash rd | 260 |
| 14 | 12-28-11 ash rd | 235 |
| 15 | 12-29-11 harlow ct | 365 |
| 16 | 12-29-11 hill st | 320 |
| 17 | 12-29-11 irving st | 380 |

| | | |
|------------------------------------|-------------------|---------------------|
| Line TV (feet) | This Month | Year to Date |
| | 575 | 2060 |
| 1 12-9-11 hoadley st | 200 | |
| 2 12-16-11 hoadley st strom sewers | 200 | |
| 3 12-20-11 hoadley st | 175 | |
| 4 | | |

| | | |
|---|-------------------|---------------------|
| Root Treatment (chemical or simply use of root cutter) | This Month | Year to Date |
| | 0 | 3157 |
| 1 | 0 | |
| 2 | 0 | |

- Pump Station Inspection/Cleanings:**
- 1 12-2-11 all 5 stations checked
 - 2 12-8-11 all 5 stations checked
 - 3 12-15-11 all 5 stations checked
 - 4 12-23-11 all 5 stations checked

| Vac Truck Information | | This Month | | Remaining | |
|-----------------------|-----|------------|-----------|-----------|---------------------|
| Days Out In Use | | 7 | | 79 | |
| Contract | 150 | | | | |
| Fuel Information | | Fuel Cost | Fuel Used | | |
| | | \$140.00 | 34.2 | Gal | 713.6 |
| | | \$182.00 | 44.4 | Gal | 713.6 |
| | | \$245.00 | 59.8 | Gal | |
| | | | | Gal | \$4,720.79 |
| This Months Total | | \$567.00 | 138.3 | Gallons | Total YTD Fuel Cost |

| vac truck | | Mileage | | Engine Hours | |
|-----------|-------------|---------|--|--------------|--------|
| | Month Start | 144674 | | Month Start | 3322.7 |
| | Month End | 145369 | | Month End | 3355.6 |
| | Total | 695 | | Total | 32.9 |

| Vac Truck Rom truck,repalce with new cyclone and blower | | Repair item | | Cost | |
|---|-------------|-------------|--|------|--|
| | Vendor | | | | |
| | Repair item | | | | |
| | Cost | | | | |

| Utility Truck | | Fuel Cost | | Fuel Used | | Total Year to Date | |
|---------------|-------------|-----------|-------|-----------|--|--------------------|------------|
| | Month Start | \$111.42 | 27.18 | Gal | | Year Date Gallons | 293.18 |
| | Month End | \$120.00 | 29.27 | Gal | | | |
| | Total | \$231.42 | 56.45 | Gallons | | YTD Fuel Cost | \$1,204.93 |

Purchase Orders, amount, and what they were for:

- Highlights
- 12/2/2011 inspect prospect st siphon,repair manhole crown.
 - 12/13/2011 vac skimmings @ plant
 - 12/19/11 to 12/22/11 remove and replace blower and cyclone on vac truck
 - 12/27/11 pick up parts for vac truck @ bahr sales wallingford.

8. Adjournment

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Pat Mallane to **ADJOURN** the meeting at 7:09 P.M.

Attest: Catherine Aresta, Secretary/dl