

**WATER POLLUTION CONTROL AUTHORITY  
SPECIAL MEETING MINUTES  
NOVEMBER 23, 2009**

Chairman Merancy called the Regular Meeting to order at 6:00 p.m.

Present:        Ronald Merancy  
                  Steven Cote  
                  Catherine Aresta  
                  Rimas Balsys

Also Present: James Stewart, Borough Engineer  
                  Maryann Kempa, Secretary  
                  John Batorski, Veolia Water  
                  Burgess Michael Ciacciarella  
                  Jon Hoisak, Veolia Water  
                  Atty. Hess  
                  Atty. Fitzpatrick  
                  Roland Desrosiers  
                  Paul Bunevich  
                  Jim Warren  
                  Atty. Woermer  
                  Peter Riebe  
                  Public

**Pledge of Allegiance to the Flag – recited**

**Acceptance of Minutes**

**Motion was made by Commissioner Aresta and seconded by Commissioner Cote to accept the regular meeting minutes of October, 2009.**

**Discussion: None                      Vote: 4 in favor                      Abstained: 0                      Opposed: 0**

**Motion was made by Commissioner Balsys and seconded by Commissioner Cote to allow the Chairman to rearrange the agenda.**

**Discussion: None                      Vote: 4 in favor                      Abstained: 0                      Opposed: 0**

**ARI-Report on Mercury Draft NOV**

Kathleen Luvisi, ARI stated that Air Quality Associates in association with ARI prepared a Preliminary Analysis of Mercury Control Options for Naugatuck Sewage Sludge Incinerator. Atty. Hess noted that the report has been reviewed by himself and Atty. Fitzpatrick and they will be making a legal recommendation. Kathy Luvisi explained that the report was done per an order issued by the State of Connecticut/DEP. It is related to the mercury emission from the stack of the incinerator. In early October a group is being formed of Sewage Sludge Incinerators as they have received consent order also. A memorandum of understanding was prepared and the

Borough was invited to sign on to the memorandum. The first step is for the group to prepare a Preliminary Study of Mercury as group. The Borough has done the study early this year. The memorandum of understanding some parts are not in agreement regarding the installing of controls for mercury. The Borough's position is that at this point that more studies should be done. The Borough will approach the group and make comments concerning the memorandum. If the comments are not included in the memorandum, the Borough will cooperate as far as meetings, sharing of data and going along with information sharing but not signing onto the memorandum of understanding. There are advantages to being part of this group. The Borough is stating that there may be a mercury problem, and if there is a problem they will cooperate and deal with it. The language in the memorandum is basically an admission and a commitment. The wording should be modified to fit it the Borough into the memorandum and the Borough will become part of the group. If not, the matter will be reevaluate and then make a decision. An advantage to joining the group would be spending less money for necessary studies. There would be more leverage in negotiations. There are six sludge plants and four will be signing on. The wording of the memorandum would have to be changed for the Borough to join the group. The WPCA board members agree.

**DEP Consent Order No. 2048 – Review of Odor Control Evaluation Report**

Jim Stewart, Director of Public Works explained that a Consent Order regarding odors was issued by the DEP. Veolia has conducted an odor control evaluation. A report has been received. Jon Hoisak, Veolia Water explained that there is a report ready to the DEP. In the report actions to be taken and future recommendation were discussed. Discussion was held concerning the sludge cake receiving, ventilation improvements in addition to inside the building and septic receiving for potential odors. Septic receiving controls have been put in place. Covers will be replaced on the sludge tanks. Ventilation system modifications to the head works will be made. The dewatering building recommendations have been made. Miscellaneous ventilation improvements will be made. The plant is facing a large upgrade. Off site odor elimination will cost approximately \$800,000 – planning level. Jim Stewart stated that the report has been reviewed.

Chairman Merancy opened the meeting for public comment. Maggie Hrebik, 23 Meadowbrook Place asked when the odor is going to be taken care of. Denise Figueroa, 326 Cherry Street Extension stated that the odor problem has improved and wants to it to continue to improve. Veolia has been implemented a lot of the recommendations. A weather station has been installed. There are some odors that cannot be controlled. The report is to be submitted to DEP for review and approval. DEP will then determine the required improvements.

**Motion was made by Commissioner Balsys and seconded by Commissioner Cote to accept the Odor Control Evaluation Report of the Naugatuck Water Pollution Control Authority and Veolia Water North America as submitted and to be submitted to DEP.**

**Discussion: None**

**Vote: 4 in favor**

**Abstained: 0**

**Opposed: 0**

Atty. Mark Zimmerman, Veolia Water stated that the report will be submitted to the DEP and a hard copy will be forwarded as well as electronically.

**Fulling Mills Development aka Capital Heavy Hauling, LLC – Prospect Street**

Paul Bunevich, P.E., Land Data represented Fulling Mills Development LLC. A revised application has been submitted and fee. Jim Warren, Fulling Mills Development was also in attendance. The revised plans show a force main with no separate pump station with individual pumps. A DEP approval has not been received. Force main calculations revised date 10/26/09 has been submitted. A report was submitted from E1 regarding pumps. Jim Stewart stated he would like time to go through the reports and review them. Information has been sent to DEP for review. Discussion was held concerning the flushing manholes. A crushed stone base should be used for the manholes instead of concrete. The association for the condos will maintain everything inside the park (from the bridge inward). Discussion was held concerning future sanitary sewer tie ins.

**Breyers/YoCrunch – 162 Spring Street**

Mr. Peter Riebe, Plant Engineer, The YoFarm Co. can before the board for the purpose of installing a effluent catch basin. The effluent from the plant will mix together and then into the sewer system as a neutral substance rather than having variations in the pH. A copy of the data of effluent sampling log for the dates 11/2/09 – 11/6/09 has been submitted. The proposal is for the installation of a 2,000 gallon effluent mixing tank to resolve the pH issue. The DEP requires annual testing. Jim Stewart stated that a sewer permit will be required as well as an inspection. Sampling results should be submitted to the Borough.

**Schedule of Meetings for 2010**

**Motion was made by Commissioner Balsys and seconded by Commissioner Aresta to accept the schedule subject to any modifications or changes as needed.**

**Discussion: None      Vote: 4 in favor      Abstained: 0      Opposed: 0**

**Correspondence**

**Amanda Lane – Sanitary Sewer Backup**

Jim Stewart explained that there was a call regarding a sewer back up. Information was requested by Veolia and the homeowner regarding responsibility. That sewer line is the responsibility of the homeowners in that area.

**Town of Prospect – WPCA – Notification of Sewer Moratorium**

A letter dated October 4, 2009 from the Town of Prospect, Water Pollution Control Authority was received concerning the development of a Wastewater Facilities Plan. The Water Pollution Control Authority enacted a 12 month sewer moratorium prohibiting consideration or approval of any and all new applications for sewer lines, extensions of existing sewer lines, construction of either and/or any and all other public or community sewer related activity in the Town of Prospect.

**Beacon Falls Sewer Connections – letters to residents**

Letters were sent to residents concerning the sewer usage fee due.

**Connecticut Water Co. – Sewer Billing Information – Letter**

A letter was received from Connecticut Water Co. concerning pricing for the generation of bill for a sewer use fee.

**Grand Vista Meadows – Four Winds Estates – Rubber Ave. Adult Active**

Roland Desrosiers and Atty. Matt Woermer attended the meeting representing Cerignola, LLC and Four winds Development, LLC. The proposal is for 370 units of single family homes for adults only. They are seeking preliminary conceptual approval for tying this project into the sewer system. Two parcels of property Country Farms Estate (110 acres and has been approved for an 80 lot subdivision) and 35 acres adjacent/uphill to this parcel. The roadway has been approved for Country Farms. They will be doing a PDD – private road built to town specifications. There will be clubhouse, tennis courts and enclosed swimming pool (private for the residents). Proposal is for 50 years old. There will be public water and a water tower will be installed. They are seeking conceptual approval for the sewer system. Currently the 35 acres is in the sewer avoidance area. They would like the area to be included in the committed area on the Sewer Service Area Map. Jim Stewart explained that the 35 acres is in the sewer avoidance area. The other parcel is in the committed area. It would be committed for a five year period. After five years it would revert back to avoidance. The estimated gallons per day would be 55,500 in sewer usage. Jim Stewart stated a conceptual plan can be forwarded to the State of Connecticut DEP for review.

**Discussion – Water Pollution Control Plan – Schedule Public Hearing**

A Water Pollution Control Plan and map were submitted to the DEP. The map is divided into six areas: currently sewered, expansion area, committed, subsurface disposal system, sewer avoidance and landfill Laurel Park. Also included on the plan is: Aquifer Protection Area and Design District. A Public Hearing will be scheduled for January 21, 2010.

**Motion was made by Commissioner Cote and seconded by Commissioner Aresta to submit the Borough of Naugatuck's Water Pollution Control Sewer Plan to the DEP as submitted with the modification of adding the 35 acres south of Country Farms Estates approval parcel to be included in the committed area.**

**Discussion: None      Vote: 4 in favor      Abstained: 0      Opposed: 0**

**Veolia Water**

Jon Hoisak and John Batorski represented Veolia Water at this meeting.

This report summarizes the activities at the Borough POTW for September 2009:

**Monthly Operating Report for September 2009**

**1. Highlights and Significant Issues:**

The plant met all NPDES effluent limits with the exception of high chlorine residual on September 25.

**2. Collection System Update:**

The forms continue to be revised to reflect contractual obligations.

**3. Plant Performance Summary:**

Please see the attached reports for additional performance details.

<b>Plant Process Data</b>	<b>Limit</b>	<b>Actual</b>
Total Suspended Solids (mg/l)		
Influent Avg.	-	362
Effluent Avg.	30	9
Removal Efficiency	85%	98%

<b>Plant Process Data</b>	<b>Limit</b>	<b>Actual</b>
Carbonaceous BOD		
Influent Avg.	-	160
Effluent Avg.	30	3
Removal Efficiency	85%	98%

<b>Plant Flow Data</b>	<b>Naugatuck</b>	<b>Middlebury</b>	<b>Oxford</b>	<b>OTR</b>
Flow Avg. (MGD)	3.7	0.489	*	0.000
Sludge Liquid Total (MGal)				6.75
Sludge Cake Total (Dry Tons)				4.5
Septage Total (MGal)	59,550	45,750	176,000	1.29

\* Not available at time of the report

**Discharge Permit Exceedances:**

Chlorine exceedance: Aug 25: 0.3 mg/l vs. permit of 0.1

**Safety Incidents and Odor Complaints**

	<b>Month</b>	<b>YTD</b>
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	19	116
Unconfirmed Odor Complaints	6	16

**Current Issues:**

1. Consent Order Update:

a. Wright Pierce has completed the odor study as required by the Consent Order for odor abatement. A copy should be provided to the Borough for their review by Oct. 9. CT DEP has granted a 2 week extension. The report is due on Oct. 23, 2009 or penalties per the Consent Order will be assessed from October 9, 2009.

**Maintenance**

1. Cracks were observed on the incinerator exhaust ducts and upper plenum of the primary heat exchanger. The entire exhaust duct and upper plenum will require new ¼ inch steel to be welded over the existing plate. External insulation will be placed over the new steel to keep the temperature over 240 F. To date, several patches have been installed over the worst areas. Quotes are being obtained for the required repairs.

2. Raw Sewage pump problems continue due to rags and grit.

3. The new Septage drop installation is in progress. We hope to complete it by the end of October.

4. The primary cross collector chain and sedimentation chains failed again due to excessive rag buildup, ash and grit.

5. We are investigating waste sludge pump replacement costs.

6. The venture discharge was patched again as the refractory and the steel was eroded. Both sides of the venture have now been patched. Swemco, the manufacturer is scheduled to be on site Oct. 1 to inspect the scrubber.

7. One of the Abel sludge pumps has been totally rebuilt at a cost of approximately \$10,000.

8. Three electrical distribution panels in the dewatering room must be replaced. Hydrogen sulfide corrosion has attacked the bus. As a result, breakers are failing. Repairs have been scheduled at a cost of approximately \$4,700.

**Operations**

1. The ID fan VFD continues to be problematic. In September, problems were experienced with the soft start and motor. The existing current transmitter only read one leg, which was the low leg. The soft start was reprogrammed per recommendations of AEM (Associated Electro-Mechanical Maintenance). The wires that fed the motor suffered cracks in the insulation. The cracks were below the motor connections. As a result, the load was not balanced. The motor and wires were changed. Current transmitters were installed on all three legs. The average and all three readings were displayed on SCADA. AEM has the 400 HP motor and will recommend repairs that cost \$11,500.

2. The main switchgear breaker actuator is leaking, and the capacitor bank requires evaluation (the feed conduits are very warm to the touch, may not be properly sized, and the capacitors banks are all different temperatures). Eaton Equipment has been in to inspect the capacitors. A PO was issued to Eaton for approximately \$11,500 to begin work on that project.

3. A J-Spin is still out of service. Estimated repair costs are \$25,000 plus approximately \$2,500 for transportation. We are arranging to ship the unit for repairs my mid October.

4. The chlorination system upgrades continue. A chlorine analyzer has been installed to place the sodium bisulfite pumps. The SCADA/PLC (programmable logic controllers) programming

remains to be completed for those two analyzers. A wireless communication (approximately \$1,000) is under investigation for the chlorine analyzer located in the par shall flume building, as there are no underground conduits for the instrument signal. The SCADA (Supervisory Control and Data Acquisition) screens have been developed, however, more work relating to PLC control logic is required.

5. The TDU hot oil flow meter and automated temperature control is now functioning. This type of PID loop tuning is ongoing.
6. The removal of ash from the south lagoon ash is still underway.
7. Ammonia levels should return to normal, as the aeration tank project is complete. There is still PID loop tuning to optimize. Additionally, a \$4,000 flow meter restock issue must be resolved. All vendors have been contacted to get there final invoices in so we can apply for reimbursement from CL&P.
8. The 5 year stack emission test for the incinerator took place from September 22 to September 28.
9. Caldon has completed the new drain for the (Thermal Drying Unit) TDU. That drain will have a positive impact on odors in that area. On October 5, that project should be complete.
10. A 14,000 CFM fan on the roof of the hot oil room roof was placed in service. Fresh makeup air is now provided to the hot oil room, TDU and Abel rooms. That should have a positive effect on odors.
11. A second dry potassium permanganate feeder has been placed in service in the sludge storage tanks. The unit will feed potassium permanganate to sludge storage tanks #1 and #3, the tanks that feed the belt presses and centrifuges.

**Collection System Summary – September 2009**

**Calls for Service:**

**This Month  
5**

**Year to Date  
13**

- 9-4-09 Inwood Pump Station – wetwell overflow
- 9-8-09 Naugatuck High School – interior plumbing problem
- 9-9-09 Inwood pump station – wet well overflow
- 9-13-09 44 Golden Hill Street – lateral problem
- 9-29-09 54 Fairview Avenue – lateral problem

**Calls Caused by Collection System:**

- 9-4-09 Inwood pump station – floats stuck
- 9-9-09 Inwood pump station – floats stuck

**Line Flushing (feet)**

**This Month  
11245 Feet**

**Yr to Date  
31215 Feet**

- 9-2-09 Bowman Dr. 16-14 through 16-55 315
- 9-3-09 Margaret Circle 16-44 to 16-47 550
- 9-3-09 Margaret Circle 16-44 to 16-59 160
- 9-3-09 Margaret Circle 16-47 to 16-49 530
- 9-8-09 Margaret Circle 16-59 to 16-61 340

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9-8-09 Margaret Circle 16-61 through 16-63	520
9-8-09 Bowman Circle 16-50 to 16-51	260
9-8-09 Bowman Circle 16-50 to 16-58	225
9-8-09 Naugatuck High School	300
9-9-09 Hazel Avenue 13-105 to 13-106	300
9-9-09 Hazel Avenue 13-106 to 13-108	320
9-10-09 Laurel Avenue 13-125 to 13-126	300
9-10-09 Marjorie St. 13-125 to 13-126	350
9-10-09 Gen. Patton Dr. 13-139 to 13-144	270
9-13-09 Woodbine St. 7-265 to 7-263	200
9-13-09 Woodbine St. 7-265 up Golden Hill	100
9-14-09 Marjorie St. 13-104 to 13-105	130
9-14-09 Marjorie St. 13-104 to 13-125	180
9-14-09 Gen. Dalton Dr. 13-103 to 13-104	295
9-14-09 Gen. Dalton Dr. 13-102 to 13-103	305
9-14-09 Gen. Dalton Dr. 13-102 to 13-149	550
9-16-09 Gen. Dalton Dr. 13-102 to 13-146	275
9-16-09 Gen. Dalton Dr. 13-146 to 13-147	100
9-16-09 Gen. Dalton Dr. 15-32 to 13-102	130
9-21-09 Prospect St. Siphon 7-99 to 7-140	320
9-21-09 Prospect St. 7-99 to 7-100	320
9-21-09 Little River Dr. 16-40 to 16-44	520
9-21-09 Little River Dr. 16-44 to 16-45	170
9-21-09 Schmitz Ave 16-38 to 16-44	205
9-21-09 Schmitz Ave 16-38 to 16-39	80
9-25-09 Little River Dr. 16-39 to 16-41	370
9-25-09 Valley Dr. 16-33 to 16-33a	290
9-25-09 Valley Dr. 16-32 to 16-33	270
9-25-09 Valley Dr. 16-32 to 16-31	110
9-25-09 Valley Dr. 16-31 to 16-30	205
9-29-09 Fairview Ave 9-194a downstream	100
9-29-09 Fairview Ave 9-14a to 9-195	405
9-30-09 Hackett St. 16-37 to 16-38	230
9-30-09 Hackett St 16-35 to 16-37	425
9-30-09 Hackett St 16-35 to 16-32	220

**Line TV (feet)**  
**None**

**This Month**    **Yr. to Date**  
**0**                    **16222**

**Pump Station Cleanings:**

9-2-09 Inwood  
9-17-09 Hop Brook

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**Pump Station Inspections:**

9-4-09 All 5 Stations  
9-11-09 All 5 Stations  
9-18-09 All 5 Stations  
9-25-09 All 5 Stations

**Vac Truck Information**

**Days Out In Use**

**Contract  
150**

**This Month  
13**

**Remaining  
111**

Fuel Information                      Fuel Cost  
  \$ 95.15  
  \$ 72.85  
  \$ 67.95

Fuel Used  
34.6 Gal  
31.4 Gal  
24.3 Gal

                  This Month's Total            \$235.95

                  90.3 Gallons

Total Year to Date Gallons: 314.1  
Total Year to Fuel Date Cost: \$845.56

Vac Truck

Mileage                                      YTD  
Month Start 107067  
Month End 107972  
Total 905

Engine Hours

Month Start 1303  
Month End 1356.7  
Total 53.7

Vac Truck Repairs:  
None

Vendor                      Bahr Sales

Utility Truck                      Fuel Cost  
Fuel Information                      \$ 13.65

Fuel Used  
13.4 Gal

Total to Year Date Gallons: 106

This Month's Total            \$13.65

13.4 Gal

Total Year to Date Fuel Cost: \$265.21

**Purchase Orders, amount, and what they were for:**

9-9-09 Purchased chipping hammer/Lineweber Bros. PO # 8332, \$550  
 9-11-09 6 tires for Vac Truck/ Petes tire barn PO #8333, \$4,310.94  
 9-11-09 new battery for Hop Brook generator/NAPA PO #8342, \$54.10  
 9-15-09 Hop Brook Pump Station, 2, pumps PO 8353, Water and waste, \$8,220  
 9-23-09 PO 8370, Water and Waste, new electrical box and float hangers, price N/A at time or report.

**Highlights**

9-1-09 Replaced horizontal suction hose on vac truck  
 9-4-09 Vac'd cross collector in primary tank #2  
 9-9-09 Pulled pump at Inwood station to get info off of the name plate  
 9-14-09 Vac'd skimmings from primary sump  
 9-16-09 Kingsley Power performed a level one service to all 5 pump stations  
 9-22-09 Started painting Maple & May pump station  
 9-23-09 Water and Waste installed a new junction box and floats at Inwood pump station  
 9-24-09 Power washed Maple & May station and started painting at Inwood  
 9-28-09 Painted at Maple & May pump station

**Monthly Operating Report for October 2009**

This report summarizes the activities at the Borough POTW for October 2009:

**1. Highlights and Significant Issues:**

The plant met all NPDES effluent limits.

**2. Collection System Update:**

The forms continue to be revised to reflect contractual obligations.

**3. Plant Performance Summary:**

Please see the attached reports for additional performance details.

<b>Plant Process Data</b>	<b>Limit</b>	<b>Actual</b>
Total Suspended Solids (mg/l)		
Influent Avg.	-	299
Effluent Avg.	30	<5
Removal Efficiency	85%	99%

<b>Plant Process Data</b>	<b>Limit</b>	<b>Actual</b>
Carbonaceous BOD		
Influent Avg.	-	144
Effluent Avg.	30	<2
Removal Efficiency	85%	99%

**Plant Flow Data**

	<b>Naugatuck</b>	<b>Middlebury</b>	<b>Oxford</b>	<b>OTR</b>
Flow Avg. (MGD)	4.5	0.559	*	0.000
Sludge Liquid Total (MGal)				4.7
Sludge Cake Total (Dry Tons)				4.4
Septage Total (MGal)	65,500	58,500	174,500	1.2

**Discharge Permit Exceedances:**

None to report

**Safety Incidents and Odor Complaints**

	<b>Month</b>	<b>YTD</b>
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	4	120
Unconfirmed Odor Complaints	3	16

**Compliance and Regulatory Issues**

1. A Notice of Violation from CTDEP was received October 27 regarding low oxygen levels and freeboard temperatures in the incinerator. Unfortunately, I incorrectly assumed explanations previously accepted by DEP would be fine. Explanations in the report were identical to previous reports.
2. The Consent Order Study for odor abatement has been submitted to the Borough. The Borough requested an extension for the submittal to CTDEP, as the WPCA must approve the report.
3. Consent Order 8383 mandating mercury removal was received. A memo of understanding was issued by the coalition of incinerator operators in Connecticut. A copy of that memo has been sent to the Borough for their review and guidance. Copies are attached for reference.
4. Tighe and Bond have started the review/renewal process for the Title V permit renewal. Their work is about 90% complete. A final emission unit inspection will be scheduled during the month of November.

**Operational Information**

1. The removal of ash from the south lagoon ash is still about 75% complete.
2. The 5-year stack emission test report for the incinerator is now complete and will be sent to CTDEP by November 6.
3. The venture discharge elbow refractory is worn away to the metal in some areas. The metal has had several patches applied to maintain operations. A replacement lined stainless steel elbow is estimated at \$59,000.
4. The TDU (Thermal Drying Unit) drain and rag box was placed in service Oct. 12. This has had a positive effect in reducing odors. The project cost about \$12,000.

5. The septic receiving box was placed in service Oct. 12. An average of  $\frac{3}{4}$  to 1 cubic yard of rages is now removed daily from the septic as the grating catches them. The odors are now captured and sent to the dewatering chemical scrubber.
6. The oil fired boilers are getting annual service.
7. A dry potassium permanganate feeder remains in service in the sludge storage tanks. The unit will feed potassium permanganate power to sludge storage tanks #1 and #3, the tanks that feed the belt presses and centrifuges. This has had a positive effect on odors.
8. The Control Room has been totally renovated and upgraded. The old control panel has been removed. The septage drivers now report to the Control Room to log in their samples. A small refrigerator is used to store the samples until they are brought to the lab.
9. A second licensed version of the CEMS monitoring program has been installed and is operational. That computer is located in the Control Room. Two independent computers are recording CEMS data.
10. A second anoxic zone was placed in service for each set of the aeration tanks. This was based upon the recommendation by Wright Pierce to improve nitrogen removal. The existing dissolved oxygen controls were modified by NIC Systems to allow the air valves to cycle on/off every 2 hours. Every facet of the operation can be altered as needed, and returned to the original design with a click of a mouse button. The cycling will prevent settling of the MLSS. The existing CFM/HP is 12 to 15 vs. 20 to 30 cfm/hp for an energy efficient blower. That low efficiency number will make replacement of the 20 year old blowers an option given the amount of energy rebate dollars that are available. In addition, the silencers on the blowers have started to develop cracks (almost \$2,000 has been spent to repair them). The anoxic tank mixers require attention. All of them are indicating condensate alarms, through some are still operating. It may be possible that tank mount mixers will be energy grant eligible and an economic alternative. The tank mixers for the recycle pump chambers are also problematic. The 2A, 250 HP aeration blower failed. An oil drain line cracked due to vibration. An unused blower from the previous aeration system was placed in service.
11. The Inwood Avenue pump station phase loss transfer switch failed to operate during a recent power failure. A replacement switch has been estimated to cost \$2,500 plus installation. The unit has a delivery of 6 to 8 weeks.

### **Maintenance**

1. Mike Bensema, A Reliability Engineer, was hired in late September. This is a new position created to help with the preventative maintenance program and other maintenance issues. Mike is a licensed P.E.
2. Both of the recirculation pumps for aeration tank 3 failed. One was sent to AEM (Associated ElectroMechanical) for repairs on Oct. 28, and the remaining failed Oct. 31. Hopefully, the pump can be quickly repaired and placed in service. The second failed pump will be sent to AEM for repairs.
3. The main switchgear breaker actuator is leaking, and the capacitor bank requires evaluation. A PO was issued to Eaton to begin work on that project. They are tentatively scheduled to begin work in Mid November. That evaluation is expected to cost approximately \$12,000.

4. A J-Spin was sent to Process Solutions for repairs, which were estimated at \$25,000. Mike Bensema will visit the repair center November 3, 2009. The remaining J-Spin was removed from service October 29. The flange bolts that secure the scroll broke. Replacement parts were ordered October 30, 2009.
5. The chlorination/dechlorination system upgrades continue time permitting through the fall/winter season. The goal is to be ready for the 2010 disinfection season.
6. The ID fan VFD drive may require replacement. New VFD drives are being investigated. Several vendors have been onsite to inspect the drive. We expect pricing by the end of November.
7. Bids were obtained to install ¼ inch plate over the incinerator ductwork and heat exchanger plenums that have deteriorated due to acid dew point condensation. Work started October 27 on that project and is expected to be complete, weather permitting, November 6, 2009.
8. The primary cross collector chain failed in early October due to excessive rag and grit buildup. The septic receiving box should minimize this problem.
9. We are investigating waste sludge pump replacement costs.
10. Three electrical distribution panels in the dewatering room must be replaced. Hydrogen sulfide corrosion has attacked the bus. Repairs have been scheduled at a cost of approximately \$4,700. On October 26, the distribution panel by the Control Room was replaced.
11. A purge air blower for the incinerator failed and was sent for repair estimate. The replacement will cost approximately \$4,100.

**Collection System Summary – October 2009**

**Calls for Service:**

	<b>This Month</b>	<b>Year to Date</b>
	<b>7</b>	<b>20</b>
10-7-09		
10-12-09		
10-14-09		
10-16-09		
10-19-09		
10-20-09		
10-28-09		

**Calls Caused by Collection System:**

- 10-7-09 Inwood Pump station/power outage, transfer switch stuck
- 10-14-09 Amanda Lane bricks in invert
- 10-19-09 May/High St. int. rags
- 10-28-09 Ward St. camera work 11-2-09 on going investigation

**Line Flushing (feet)**

	<b>This Month</b>	<b>Yr to Date</b>
10-1-09	<b>11445 Feet</b>	<b>42670 Feet</b>
	300	

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10-1-09	Fairwood Rd 16-31 to 16-24	160
10-1-09	Beacon Manor Rd 16-31 to 16-32	270
10-1-09	Hackett St 16-32 to 16-31	150
10-1-09	Hackett St 16-23 to 16-33	50
10-2-09	Southview St. 9-193 to 9-193a	300
10-2-09	Southview St 9-193 towards 9-194	200
10-5-09	Beacon Manor Cir 16-4 to 16-5	280
10-5-09	Beacon Manor Cir 16-4 to 16-4a	290
10-5-09	Beacon Wood Ct 16-4a to 16-13	190
10-5-09	Beacon Manor Cir 16-4a to 16-18	265
10-5-09	Beacon Manor Cir 16-18 to 16-19	350
10-5-09	Fairwood Rd 16-19 to 16-21	365
10-5-09	Fairwood Rd 16-21 to 16-22	250
10-7-09	Allerton Rd 6-73 to 6-74	190
10-8-09	Pilgrim Ln 2-85 to 2-88	240
10-8-09	Brennan St 7-42 to 7-51	330
10-8-09	Diamond St 7-41 to 7-52	240
10-8-09	N. Main St. 7-87 to 7-260	240
10-8-09	Porter Ave 3-10 to 3-10a	185
10-8-09	Spring St. 3-10 to 3-10a	335
10-8-09	Springdale Ave 3-9 to 3-11	240
10-8-09	Spring St. 3-9 to 3-11	335
10-14-09	Amanda Ln. 5-46 to 5-47	100
10-16-09	Woodland St 10-130 to 10-132	400
10-19-09	May St 10-150 to 10-150a	100
10-19-09	High St. 10-150 upstream for	200
10-20-09	Amanda La	100
10-27-09	Tanglewood La 2-88 to 2-89	65
10-27-09	Tanglewood La 2-88 to 2-90	435
10-27-09	Heritage Dr 2-95 – 2-96	325
10-27-09	Wedgewood Dr 2-95 to 2-97	440
10-27-09	Wedgewood Dr 2-96 to 2-96a	445
10-27-09	Wedgewood Dr 2-96a to end	190
10-27-09	Wedgewood Dr. 6-50 to 6-51	215
10-27-09	Allen St 6-50 to 6-52	190
10-29-09	Ash St 6-41 to 6-50	250
10-29-09	Ash St 6-41 to 6-44	520
10-29-09	Ash St 6-44 to 6-46	175
10-29-09	Round Hill Ct 6-39 to 6-41	440
10-29-09	Round Hill Ct 6-39 to 6-39a	220
10-30-09	Round Hill Cir 6-38 to 6-39	40
10-30-09	Round Hill Cir 6-38 to 6-312	110

**WATER POLLUTION CONTROL AUTHORITY  
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10-30-09	Round Hill Cir 6-312 to 6-333	270
10-30-09	Round Hill Cir 6-37 to 6-93	250
10-30-09	Round Hill Cir 6-37 to 6-38	220

<b>Line TV (feet)</b>	<b>This Month</b>	<b>Year to Date</b>
	<b>1200</b>	<b>2225</b>
10-13-2009 Lewis, Aetna, May, Tanglewood	1200	

**Pump Station Cleanings:**

10-6-09	Hop Brook & flushed line out to street
10-19-09	Maple & May
10-30-09	Vac'd Horton Hill

**Pump Station Inspections:**

10-2-09	All 5 Stations
10-9-09	All 5 Stations
10-16-09	All 5 Stations
10-23-09	All 5 Stations
10-30-09	All 5 Stations

**Vac Truck Information**

<b>Days Out In Use</b>		
<b>Contract</b>	<b>This Month</b>	<b>Remaining</b>
<b>150</b>	<b>12</b>	<b>99</b>

<b>Fuel Information</b>	<b>Fuel Cost</b>	<b>Fuel Used</b>
	\$ 68.12	25.1 Gal
	\$ 119.00	43.1 Gal
	\$ 123.15	42.2 Gal
	\$ 120.30	40.4 Gal
	\$ 45.71	48.9 Gal
 This Month's Total	 \$576.28	 199.7 Gallons

Total Year to Date Gallons: 290.0 Gallons  
Total Year to Fuel Date Cost: \$1,421.84

<b>Mileage YTD</b>	<b>YTD</b>	<b>Engine Hours YTD</b>
Vac Truck	Month Start 108013	Month Start 1358.9
	Month End 109277	Month End 1423.4
	Total 1264	Total 64.5

**WATER POLLUTION CONTROL AUTHORITY  
SPECIAL MEETING MINUTES, NOVEMBER 23, 2009**

Vac Truc Repairs: Vendor  
Repair Item  
Cost

<b>Utility Truck Fuel Information</b>	<b>Fuel Cost</b>	<b>Fuel Used</b>
	\$ 57.00	20.9 Gal
	\$ 47.00	17.3 Gal
	\$ 63.50	22.1 Gal

Total to Year Date Gallons: 46 15.4

This Month's Total \$167.50 75.7 Gal

Total Year to Date Fuel Cost: \$456.44

**Highlights**

- 10-2-09 Installed a new lid on manhole #321 Donovan Road
- 10-7-09 Greased vac truck
- 10-7-09 Vac'd skimmings from primary sump
- 10-21-09 Painting, Maple & Inwood Pump Stations
- 10-23-09 8 hrs. Vac work/wetwell
- 10-23-09 8 hrs. Vac work/wetwell
- 10-26-09 8 hrs. Vac work/wetwell
- 10-28-09 8 hrs. Vac work/wetwell

**Purchase Orders, amount, and what they were for:**

- 10-8-09 P.O. #8419 Police Dept/traffic control
- 10-8-09 P.O. #8421 Lineweber Bros./manhole lid
- 10-13-09 P.O. #8432 Bahr Sales/camera work
- 10-16-09 P.O. #8449 Digennaro/vac repairs
- 10-19-09 P.O. #8450 Napa/F-350 parts
- 10-20-09 P.O. #8455 American Rooter
- 10-21-09 P.O. #8463 Best welding/vac work

**Title V Permit Amendment**

The Title V Permit Amendment was discussed and the following motion was made:

**Motion was made by Commissioner Cote and seconded by Commissioner Aresta to allow Veolia Water to submit the Title V Permit Amendment to the State of Connecticut Department of Environmental Protection.**

**Discussion: None      Vote: 4 in favor      Abstained: 0      Opposed: 0**

**Motion was made by Commissioner Cote and seconded by Commissioner Aresta to adjourn the meeting at 8:30 p.m.**

Transcribed by Maryann Kempa

Attest:

Ronald Merancy  
Chairman