

**WATER POLLUTION CONTROL AUTHORITY  
REGULAR MEETING MINUTES  
JUNE 18, 2009**

Chairman Merancy called the Regular Meeting to order at 6:10 p.m.

Present:        Ronald Merancy  
                  Steven Cote  
                  Catherine Aresta

Absent:         Rimas Balsys

Also Present: James Stewart, Borough Engineer  
                  Maryann Kempa, Secretary  
                  John Batorski, Veolia Water  
                  Burgess Michael Ciacciarella  
                  Jon Hoisak, Veolia Water  
                  Melissa Mooradian, Veolia Water  
                  Ted Crawford, Milone & MacBroom  
                  Nicole Burnham, Milone & MacBroom  
                  Ed Balinsky, Milone & MacBroom  
                  Jenna Gaillard, Report Republican/American  
                  Atty. Warren Hess  
                  Atty. Edward Fitzpatrick

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

**Acceptance of Minutes**

**Motion was made by Commissioner and seconded by Commissioner to accept the regular meeting minutes of May as submitted.**

**Discussion: None                    Vote: 3 in favor                    Abstained: 0                    Opposed: 0**

Commissioner Cote recused himself.

**Lot 3 Great Hill Road – Milone and MacBroom**

Ted Crawford of Milone and MacBroom presented the proposed plans for a 20,000 square foot, two story office building on Great Hill Road. It was created as part of the PDD. An aerial photograph was presented to the Board. The building will be located in the slope. It was designed to reduce the amount of material to come off the site. Three storm water management basins will be constructed. There will be three catch basins on site. There will be swales on the site. Storm water will go into the drainage system on Great Hill Road to Union City Road. There is a sewer system in Great Hill Road (8 inch) to a 10 inch sewer into Union City Road then to Route 68. The proposal is for a one line system out to Great Hill Road to an existing manhole. A 6 inch lateral is proposed.

Commissioner Cote is back on the board.

Jim Stewart, Borough Engineer recommended the WPCA approve the application subject to the following conditions in the Site Plan Review dated 6/3/09:

1. The construction shall comply with the Borough of Naugatuck Ordinances and the Water Pollution Control Authority "Standard Conditions for Sanitary Sewer Extensions and Sanitary Sewer Construction".
2. Sewer connection fee shall be paid based on the final proposed building size and current connection fee rate.
3. The work shall be complete within 5 years of the date of approval.
4. The proposed sewer lateral shall be privately owned and maintained.
5. The sewer lateral shall be redesigned to discharge into existing manhole TF=432.05 eliminating proposed dog house manhole. A note shall be added that the connection to the existing manhole shall be core drilled and bench walls shall be reconstructed. The final sewer design shall be approved by the Borough Engineer.

This matter was tabled to next month.

**Veolia Water**

Jon Hoisak, Area Manager, Melissa Mooradian, Marketing Manager and John Batorski, Plant Manager attended the meeting representing Veolia Water.

John Batorski presented pictures to the board of the rags and grit that is damaging the raw sewage pumps. A head works system will be installed to remove the rags and grit.

John Batorski explained that the aeration tanks are out of service for upgrades until August.

John Batorski will be attending a Phosphors Removal Meeting on Monday at the DEP.

John Batorski, Treatment Plant Manager, presented the Monthly Operating Report for May 2009.

**1. Highlights and Significant Issues:**

The plant met all NPDES effluent limits. On May 7, there was a chlorine exceedance. A sodium bisulfite pump was briefly air bound.

**2. Collection System Update:**

Please see form attached. This form remains a work in progress.

**3. Plant Performance Summary:**

Please see the attached reports for additional performance details.

**Plant Process Data**

**Limit**

**Actual**

Total Suspended Solids (mg/l)			
Influent Avg.	-		391
Effluent Avg.	30		<5
Removal Efficiency	85%		99%

**Plant Process Data**

Carbonaceous BOD			
Influent Avg.	-		131
Effluent Avg.	30		<2
Removal Efficiency	99%		99%

**Plant Flow Data**

	<b>Naugatuck</b>	<b>Middlebury</b>	<b>Oxford</b>	<b>OTR</b>
Flow Avg. (MGD)	4.2	*	*	0.000
Sludge Liquid Total (MGal)				7.24
Sludge Cake Total (Dry Tons)				5.48
Septage Total (MGal)				2.20
(N/R: Not Reported)				

**Discharge Permit Exceedances:**

May 4, Total Chlorine exceedance, 0.4 mg/l, permit limit was 0.1 mg/l

**Safety Incidents and Odor Complaints**

	<b>Month</b>	<b>YTD</b>
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	1	5
Unconfirmed Odor Complaints	0	2

**4. Maintenance**

- a. SCADA (Supervisory Control and Data Acquisition) and PLC (Program Logic Controllers) upgrades continue. Approximately \$48,000 of PLC spares was ordered in May 09. Another \$11,000 was spent to upgrade the incinerator induced draft fan and fluidizing blower controls.
- b. New England Masonry replaced the Admin. Roof at a cost of \$44,322.
- c. The Control Room HVAC was replaced.
- d. Extensive shop cleanup/organization continues.
- e. The raw sewage pumps continue to require extensive repairs due to severe problems with rags and grit. Without a headworks (basically a large screen to collect and remove the rags, and a settling chamber to collect the grit (sand and small rocks), the rags and grit are not removed and create problems throughout the process. A photo is attached to graphically depict the seven foot long rag that was removed from a pump. It took approximately 100 man hours to dismantle the pump, remove the rags, clean the area, reassemble and repair the

pump. Approximate raw sewage pump repair costs (less labor) for the past 10 months are as follows:

- 5 seals at \$3,800 each or \$19,000
- 2 pump shafts at \$3,200 each or \$6,400
- 2 drive shafts at \$2000 each or \$4000
- 2 pump castings at \$4,000 each or \$8,000
- 2 repaired pump castings at \$1,800 each or \$3,600
- 3 impellers at about \$9,000 each or \$27,000
- 4 sets of bearings for about \$1,000
- 3 sets of wear rings at about \$1,200 each or \$3.600
- Grand total is about \$73,000

- f. The primary tank cross collector was repaired. The cross collector failed as it had filled with grit (sand, small rocks etc.). Photos are attached to show the amount of rages and grit.

**5. Other Issues:**

- a. The #1, #2 and #3 aeration tanks have been removed from service for scheduled upgrades. Appropriate CT DEP notifications were filed. New 250 HP variable speed drives, dissolved oxygen and ORP probes, control valves and additional diffusers are part of the project. A SCADA system will monitor and control the BNR (Biological Nitrogen Removal) process automatically.
- b. The original bushes that lined the plant entrance have been removed to improve the appearance of the facility. Grass was planted in that area.
- c. There was one Odor Complaint this past month.
- d. A chlorine analyzer was purchased to better control the chlorination process. The process will be SCADA controlled and monitored.
- e. Melissa Mooradian, Veolia Marketing Manager, will attend the monthly WPCA meeting. She will present information to the Board relating to tours of the facility as well as school visitations. Copies are attached for reference.
- f. A copy of a news article on Odors is also attached. Odor abatement has been ongoing and proactive. A press release relating to odors is also attached.
- g. The statewide general permit for mercury reduction in sewage sludge incinerators is expected at any time.
- h. We are awaiting a draft NPDES permit from the CTDEP. Phosphorus removal will be required. Information is attached relating to this new requirement.

**Collection System Summary – May 2009**

**Calls for Service:**

**This Month**

**Year to Date**

**2**

**14**

5/15/09 – 41 May Ave. – Main line was clear

5/19/09 – 41 May Ave. – Main line was clear

**Calls Caused by Collection System:**

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**Line Flushing (feet)**

	<b>This Month 11960 Feet</b>	<b>Yr to Date 33866 Feet</b>
5/4/09 Vac Work at Simsberry Pump Station		
5/5/09 Beacon Valley Road/14-91 to 14-95	500	
5/6/09 David Street/-126 to 3-127	800	
5/7/09 Phoenix Avenue/House #56 to 111	400	
5/11/09 Gorman Street/9-54 to 9-57	730	
5/12/09 Baldwin Street/10-167 to 10-170	345	
5/12/09 Woodland Street/10-130 to 1—131	500	
5/12/09 Woodland Street/10-13- to 10-133	225	
5/13/09 Chestnut Street/6-285 through 6-290	525	
5/13/09 Endogen Street/7-254 to 7-256	400	
5/15/09 May Avenue/6-305 to 6-320	400	
5/18/09 Coen Street/10-180 to 7-245	410	
5/18/09 General Patton Dr./13-102 to 13-149	550	
5/19/09 May Avenue/6-305 to 6-320	400	
5/19/09 Cherry Street/12-2 to 12-3	250	
5/22/09 N. Main Street/7-87 to 7-260	240	
5/22/09 N. Main Street/7-70a to 7-286	725	
5/22/09 N. Main Street/7-286 to 7-289	550	
5/22/09 High Street/10-150 Upstream	520	
5/26/09 Fern Street/6-203 to 6-296	480	
5/26/09 Quinn Street/6-236 toward 6-237	485	
5/27/09 Homestead Avenue/10-34 to 10-380	1215	
5/28/09 Pleasant Avenue/12-13 to 12-14	440	
5/28/09 Ward Street/10-213b to 10-214	300	
5/28/09 Ward Street/10-214 to 12-17	570	

**Line TV (feet)**

**This Month Yr. to Date**

**None**

**Pump Station Cleanings:**

5/8/09 Maple & May Streets

**Pump Station Inspections:**

5/1/09 All 5 Stations

5/8/09 All 5 Stations

5/14/09 All 5 Stations

5/21/09 All 5 Stations

5/29/09 All 5 Stations

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Vac Truck Information

Days Out In Use

Contract		This Month	Remaining
150		15	89

Fuel Information	Fuel Cost	Fuel Used
	\$117.18	47.9 Gal
	\$ 71.68	29.3 Gal
	\$ 68.21	27.5 Gal
This Month's Total	\$257.07	104.7 Gallons

Total Year to Date Gallons: 373.2  
Total Year to Fuel Date Cost: \$786.13

Mileage	Monthly Total	
	102667 miles	0 miles
	1086.7 hours	-1021.6 hours

Vac Truck Repairs: Vendor Bahr Sales

Utility Truck	Fuel Cost	Fuel Used
Fuel Information	\$ 65.04	26.5 Gal
	\$ 43.99	17.7 Gal

Total to Year Date Gallons: 291.5

This Month's Total \$109.03 44.2 Gal

Total Year to Date Fuel Cost: \$465.13

Highlights

- Digennaro/power inverter installed on Vac truck P.O. #7884 5/1/2009
- 5/7/09 Home Depot/bungees and clamp lights P.O. 7934
- 5/7/09 Vac'd skimmings from the primary sump
- 5/4/09 American Hose and Rubber/4" & 6" Kano fled hose for vac truck P.O. #7915
- 5/12/09 Install new vac hose and elbow on front end of vac truck
- 5/12/09 Oil and filters for vac truck and utility truck P.O. #7946
- 5/13/09 Changed oil in vac truck
- 5/14/09 Changed oil in utility truck
- 5/14/09 Vac'd skimmings from primary sump
- 5/15/09 American Industrial Rubber Products/4" hose and 4" cam lock fittings P.O. #7956
- 5/15/09 Vac'd through out back at sludge drop

5/18/09 Cut grass at Platts Mill Pump Station  
5/19/09 Vac'd skimmings from primary sump  
5/21/09 Dukes root control 2200'  
5/22/09 N.P.D./traffic control 4 hours P.O. # 8001  
5/26/09 Vac'd skimmings from primary sump

Melissa Mooradian, Marketing Director – Veolia Water spoke concerning doing some education at the local schools. A draft letter was forwarded to the board. Chairman Merancy is requesting that the letter be sent to the Board of Education. A press release has been forwarded to the Republican/American Newspaper.

**State of CT – General Permit – Discharge of Storm water**

Jim Stewart, Borough Engineer inquired about the storm water. John Batorski, Plant Manager has not gotten a response from his letter. A letter has been received from DEP regarding Phase II – Storm water Discharge from the treatment plant.

**Consent Order 2048 – Signed Copy from State of CT**

A copy of the signed Consent Order has been forwarded to the board members.

**State of CT – Loss of Equipment/Tankage**

John Batorski explained the letter to the State concerning loss of equipment/tankage. It is a formal order by the State that a tank was taken out of service.

**Overview of Work Completed & Results Drainage System – Milone and MacBroom**

Nicole Burnham and Ed Balinsky of Milone and MacBroom presented the overview of the work completed and results – drainage system E coli evaluation. A copy of the report is on file. The outfalls were looked at during dry weather conditions and water was discharging. High e coli areas were investigated further up the system to see where the flow was coming from. TV inspection is the next step and smoke testing. A bid will be put out for \$15,000. Jim Stewart, Borough Engineer stated that the street department can clean the lines. Nicole Burnham stated that the high areas will be done first. A copy of the report will be forwarded to Bill Hogan at the State of CT DEP.

**Fats Oil and Grease Pretreatment Ordinance – Discussion and Possible Decision**

Jim Stewart, Borough Engineer stated minor modifications have been made. A copy of the proposed ordinance was previously forwarded to the board for review.

**Motion was made by Commissioner Cote and seconded by Commission Aresta to adopt the proposed Fats Oil and Grease Pretreatment Ordinance effective August 1, 2009.**

**Discussion: None**

**Vote: 3 in favor**

**Abstained: 0**

**Opposed: 0**

**Discussion Sewer Use Fee**

Atty. Hess explained that the Mayor Mezzo and Burgess Mike Ciacciarella need to be informed of the background. Two burgesses were to meet with two members of the WPCA to discuss the pros and cons and meet a mutual agreement. All of the issues, pluses and minuses, all expenses, affects residents need to be discussed. Chairman Merancy requested a letter be sent to Wayne McAllister regarding the \$1.3 million dollars would reduce the general fund by mill rate. Jim Stewart wants to consult with ARI regarding upcoming plant improvements.

**Motion was made by Commissioner Aresta and seconded by Commissioner Cote to recess into Executive Session at 7:15 p.m. to discussion Middlebury – Contract Negotiations inviting in Atty. Hess, Atty. Fitzpatrick and Burgess M. Ciacciarella.**

**Discussion: None      Vote: 3 in favor      Abstained: 0      Opposed: 0**

The board ended the Executive Session at 8:30 p.m. No decisions were made.

**Motion was made by Commissioner Cote and seconded by Commissioner Aresta to adjourn the meeting at 8:32 p.m.**

Transcribed by Maryann Kempa

Attest:

Ronald Merancy  
Chairman