

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
JULY 16, 2009**

Chairman Merancy called the Regular Meeting to order at 6:00 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
 K. Luvisi, ARI
 Atty. McSherry
 Public – 2

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 June with corrections.

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

Motion was made by Commissioner Aresta and seconded by Commissioner Cote to accept the public hearing meeting minutes as presented.

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

Lot 3 Great Hill Road – Milone and MacBroom

A Special Meeting will be held on July 27, 2009 at 10 a.m.

Veolia Water

John Batorski, Plant Manager attended the meeting representing Veolia Water and Kathy Luvisi represented ARI. John Batorski presented the Monthly Operating Report for June 2009

1. Highlights and Significant Issues:

The plant met all NPDES effluent limits.

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.	-	834
Effluent Avg.	30	<5
Removal Efficiency	85%	99%

Plant Process Data		
Carbonaceous BOD		
Influent Avg.	-	164
Effluent Avg.	30	<2
Removal Efficiency	99%	99%

Plant Flow Data	Naugatuck	Middlebury	Oxford	OTR
Flow Avg. (MGD)	4.2	*	*	0.000
Sludge Liquid Total (MGal)				7.22
Sludge Cake Total (Dry Tons)				5.30
Septage Total (MGal)				1.49
(N/R: Not Reported)				

Discharge Permit Exceedances:

None

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	2	7
Unconfirmed Odor Complaints	0	2

4. Maintenance

- The Control Room HVAC was replaced at a cost of approximately \$8,000.
- Extensive shop cleanup/organization continues.
- The raw sewage pumps continue to require extensive repairs. This month approximately \$20,000 was spent. Details are as follows: an impellor (\$6,922), pump shaft (\$5,661), stuffing box casting (\$4,847), and a mechanical seal (\$3,286).
- The primary tank influent (inlet) channel was cleaned. It took three days working 7 a.m. to 11 a.m. (periods of low flow), cycling the raw sewage pumps on/off, draining the channel, and vacuuming out the grit and rocks. The approximate vac truck cost was \$10,000, plus another \$1,000 for disposal.

- e. The sludge transfer pump was rebuilt (new impellor and volute) at a cost of \$3,989. The impellor was hard surfaced at a cost of \$625.
- f. The sludge grinder for the centrifuge was rebuilt at a cost of \$11,750. That cost included a spare wear plate.
- g. A new filter belt was installed on the gravity belt thickener (GBT, removes water from the secondary sludge). The secondary sludge pump for the GBT was rebuilt at a cost of approximately \$4,000.
- h. The ID fan variable speed drive (VFD) was problematic this past month. Traver Electric was called in several times (approximately \$8,000). The 400 HP drives randomly fails. Additional investigation into the reason for the failures will take place in July.
- i. The original HVAC unit in the laboratory was replaced at a cost of approximately \$3,500.

5. Other Issues:

- a. The #1, #2 and #3 aeration tanks upgrades continue. They are expected to be returned to service in mid to late July. At that time tanks #4, 5, 6 will be removed from service to receive the upgrades. The replacement baffles cost approximately \$28,000 while the additional diffusers cost approximately \$13,000.
- b. There were two Odor Complaints this past month. Both odor complaints were difficult to confirm as all plant equipment was operating properly.
- c. A chlorine analyzer is in the process of being installed to better control chlorination.
- d. A copy of recent news articles on odors is attached. Odor abatement has been ongoing and proactive. A new section of ductwork to draw air from the dewatering area directly into the incinerator should be completed in July. The estimated price for that is approximately \$20,000.
- e. The statewide general permit for mercury reduction in sewage sludge incinerators is expected at any time.
- f. We are awaiting a draft NPDES permit from the CTDEP.
- g. The nitrogen removal was not optimal due to start up problems with the new aeration blower VFD's. The 250 HP aeration blower motor had to be replaced at a cost of approximately \$10,000. The original wires that fed the power to the motor had to be replaced as they were cracked, and the main breaker will have to be rebuilt. The motor, wires, and breaker are all original capital equipment.
- h. A purchase order for approximately \$10,000 was issued to New England Masonry to remove two of the original roof ventilators in the incinerator building and replace them with skylights. The original roof ventilators were original equipment and are no longer serviceable. The removable portion of the roofing (for the old multiple hearth incinerators induced draft fan access) will be re-roofed as well. Presently both the old fans and old roof leak. The problem will be corrected by New England Masonry.
- i. The North Ash lagoon was emptied placed in service. The south ash lagoon is being drained and will be emptied out when room is available to pile the ash. Ash is being hauled daily (four semi trucks) as cover to a landfill in Massachusetts.
- j. A copy of a check as payment for the Odor Consent Order is attached.
- k. A copy of a letter sent to CT DEP regarding the selection of Wright Pierce as the Odor Consultant is attached for reference. We expect their approval of Wright Pierce shortly. Wright

Pierce is scheduled to be on site July 14, 2009 to begin their assessment of the odor abatement measures. They will also review the entire site to evaluate what additional odor abatement measures might be required.

l. The nitrogen credit invoice was paid \$44,348 during the month of June 2009. A copy of the check is attached.

m. The incinerator Title V permit is up for renewal on 11/10/10. The permit renewal process will start this coming month. There is also a general permit to Limit Potential Emissions from Major Stationary Sources of Air Pollution (GPLPE) that may be more applicable as the emission limits are below the Title V requirements. The Title V permit was most likely issued due to the two multiple hearth furnaces. Fluidized bed incinerators are more efficient and have fewer emissions, thus the reason for investigation of that alternate permit. This permit renewal process will cost \$9,000 to \$15,000.

Collection System Summary – June 2009

Calls for Service:

This Month

Year to Date

2

14

6-1-09/210 Johnson Street – no problems in the main line

6-3/09/88 Mulberry Street – no problems in the main line

Calls Caused by Collection System:

Line Flushing (feet)

This Month

Yr to Date

12480 Feet

46346 Feet

6/1/09 Gorman Street/9-75 to 9-76a

450

6/1/09 Gorman Street/9-36a to 9-75

250

6/1/09 Johnson Street/7-224 through 7-226

360

6/2/09 Mulberry Street/11-2 to 11/3

330

6/2/09 Melbourne Ct/9-136 to 9-130a

450

6/2/09 Melbourne Ct/9-136 to 9-146

225

6/2/09 Melbourne Ct/9-136 to 0-129

300

6/3/09 Mulberry St/10-60 to 10-62

520

6/3/09 Mulberry St/10-60 to 10-59

225

6/4/09 Melbourne St/9-126 to 9-127

550

6/10/09 Woodcrest Cir/10-76 to 10-77

240

6/10/09 Sheffield Lane/7-144 to 7-137

320

6/10/09 Sheffield Lane/7-144 to 7-143

165

6/10/09 Sheffield Lane/7-137 to 7-128

325

6/15/09 High St/10-137 through 10-139

525

6/15/09 High St/10-137 through 10-138c

525

6/16/09 New Haven Road/13-34 to 13-35

300

6/16/09 New Haven Road/13-34 to 13-33

250

6/16/09 Spring Str/7-16 to 7-41

500

6/16/09 Rockwell Ave/7-24 to 7-33

520

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6/16/09 Elm St/10-209 to 10-211	300
6/16/09 May St/10-159 to 10-161	250
6/17/09 Trowbridge Pl/9-181 to 9-182	385
6/17/09 Trowbridge Pl/9-181 to 9-182a	350
6/17/09 Nettleton/9-180 to 9-181	225
6/17/09 Nettleton/9-180 to 9-174a	150
6/17/09 Moore Ave/9-179 to 9-180	225
6/17/09 Moore Ave/9-179 to 9-183	300
6/25/09 Sweeney St/6-179 upstream	190
6/25/09 Craig Cir/6-120 to 6/120a	325
6/25/09 Craig Cir/6-126a to 6/120	310
6/25/09 Pierce Lane/6/120 to 6/123	460
6/25/09 Casper Ct/6-126A to 6-127	520
6/29/09 Baummer Pond/2-39 through 2-41	520
6/30/09 Beacon Manor Road/16-32 to 16-12	240
6/30/09 Beacon Manor Road/16-5 to 16-14	400

Line TV (feet)
None

This Month **Yr. to Date**
16222

Pump Station Cleanings:

- 6-12-09 Horton Hill
- 6-19-09 Inwood
- 6-19-09 Maple & May
- 6-22-09 Platts Mill

Pump Station Inspections:

- 6-4-09 All 5 Stations
- 6-12-09 All 5 Stations
- 6-18-09 All 5 Stations
- 6-26-09 All 5 Stations

Vac Truck Information

Days Out In Use

Contract
150

This Month
14

Remaining
75

Fuel Information

Fuel Cost
\$ 99.11
\$ 65.00
\$151.91
\$ 74.19
\$ 70.10
\$ 91.97

Fuel Used
40.0 Gal
26.2 Gal
59.4 Gal
27.7
25.9
34.1

taken to eliminate any odor. An odor log compiled by the neighbors of Meadowbrook Place was forwarded to the board. Mr. Batorski asked that the plant should be called as soon as the odor is detected. The odor log was reviewed and needs to be more specific. A weather station was installed at the plant. Chair Merancy suggested a press release concerning the measures that have been taken to eliminate odors. John Batorski mentioned setting up a meeting with Wright Pierce and the neighbors. A Notice of Violation was previously issued in last August, since then many issues have been corrected in a short time. Air testing will be done in June, July and August. A report from Wright Pierce should be done by August.

John Batorski noted that the Nitrogen Permit was paid in the amount of \$44,000 and \$2,600 check copies were forwarded to the board. A letter has been forwarded to the Board of Education was forward concerning classroom instruction on wastewater. Phosphorus removal was discussed.

Annual Adjustment CAMS – Discussion/Possible Execution

Jim Stewart explained that ARI put together the annual CAMs to adjust the annual numbers for the contract. Revised CAMs were forwarded to the board. Jim has reviewed the CAMs. Also Veolia is reviewing them.

Motion was made by Commissioner Cote and seconded by Commissioner Aresta to authorize the Chairman to sign CAMS as written by ARI for Wastewater Treatment System and the Incineration Facility.

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

Distributable New Revenue Annual CAM

Jim Stewart explained this CAM was written by ARI requested by Veolia Water concerning the distributable new revenue. The contract states an annual period from August 15 to August 15. Veolia would like to change to the beginning/end of the month.

Motion was made by Commissioner Cote and seconded by Commissioner Aresta to authorize the Chairman to sign the request regarding the date change.

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

Discussion Fuel Cell Technology at Treatment Plant – M. Ciacciarella

Burgess Ciacciarella discussed Fuel Cell Energy as in the future Naugatuck is to go greener. Pamphlets regarding Fuel Cell Energy have been forwarded to the board. Fuel Cell Energy offices are located in Danbury and Torrington.

Zone Change – Sewer Service Area Map

A proposed zone change map has gone before the commission and is scheduled for a public hearing within two months. Map was reviewed and discussion was held. After the map is approved by Zoning, then the sewer service areas can be located.

Discussion – Sewer Use Fee

Burgess Ciacciarella stated he has spoken with the Mayor. A meeting will be set up to discuss the proposed sewer use fee.

Discussion – ARI – Future Planning Letter

ARI forwarded a letter to the board concerning future issues which will be coming up, i.e. - mercury, zinc, phosphorus, headworks, plant evaluation, sewer repairs and collection system repairs.

DEP - Phosphorus Limits

Jim Stewart forward information concerning phosphorus limits to the board.

Other Matters to come before the board

Cancellation of the August 20th meeting.

Motion was made by Commissioner Cote and seconded by Commissioner Aresta to cancel the August 20th WPCA meeting.

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

Discussion concerning the resignation of R. Villano and the letter to the Mayor requesting a new member.

FOG application was forwarded to the board for review. Discussion was held concerning compliance.

Motion was made by Commissioner Cote and seconded by Commissioner Aresta to adjourn the meeting at 7:48 p.m.

Transcribed by Maryann Kempa

Attest:

Ronald Merancy
Chairman