

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
JANUARY 17, 2013**

Chairman Ron Merancy called the regular meeting to order at 6:00 PM with the following in attendance:

MEMBERS:

Ron Merancy, Chairman
Rimas Balsys, Vice Chairman
Catherine Aresta, Secretary
Pat Mallane

OTHERS:

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

Visitors: Candido Carrelo

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**

2. **Executive Session.**

No Executive Session.

3. **Commission Discussion with Candido Dias Carrelo Regarding Partridge Village Sewer Permits and Sewer Connection Fees Prior to Installing Foundations.**

“VOTED”: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ALLOW** Candido Carrelo To **DELAY** Paying His Sewer Connection Fees, But He Will Pay It Prior To Getting His (“CO”) Certificate of Occupancy.

VOTE: In Favor: 4
Opposed: 0
Abstained: 0
Motion Carried: 4-0-0

Comments:

Recommended that the Sewer Connection Fees be Approved with the Following Conditions:

1. The sewer Connection Fee Shall Be Paid Prior to Getting The Certificate of Occupancy.
2. Sewer Connection Fee will be Prevailing Rate at the time the Connection Fee is paid.
3. It is for 4 Buildings Consisting of 19 Units on Gaby Drive and Nina Drive.
4. 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.

4. **New Business and Correspondence.**

A. **Correspondence from Chemtura Dated November 28, 2012 Regarding the Discharge Monitoring Report for October 2012 – Permit SP0000065.**

No Discussion.

B. **Correspondence from UKS Dated December 4, 2012 Regarding Veolia – Notice of Violation # 17013.**

No Discussion.

C. **Correspondence from ARI Dated December 19, 2012 Regarding Monthly Meeting to discuss Naugatuck Issues.**

No Discussion.

D. **Correspondence Letter from Liberty Mutual Insurance Dated January 7, 2013 Regarding a Risk Engineering Report in Providing an Automatic Sprinkler Protection for Non-Sprinkler Buildings – Interpretive Guide to NFPA 13, prepared as a Recommendation and as a Result of a Visit to the Veolia Treatment Facility on December 17, 2012.**

Jim Stewart commented that the Insurance Company is recommending an annual inspection to see if there is anything that would produce a risk.

John Batorski commented that this is a standard procedure with Insurance Companies. They want sprinklers. He has copies of this recommendation and will respond.

E. **Commission Discussion Regarding Correspondence Dated 1/2/2013 Regarding the WWTP Facilities Plan Study .**

Jim Stewart commented that Kleinfelder's Facility Plan Study - Scope of Services will include Evaluations of the Waste Water Treatment Facility, Incinerator, Odor Control System, Pump Station, Infiltration/Inflow, Preliminary Sewer User Rate Analysis, and the Facilities Plan Report Preparation.

F. **Correspondence from ARI Dated January 8, 2013 Regarding ARI Comments on the Kleinfelder Scope Document.**

Jim Stewart commented that Ari has reviewed the Facility Plan Study, Scope of Services and they have comments. Included in the submittal of the budget draft for the Facilities Plan is approximately \$700,000.00 which will include the more comprehensive incinerator and the odor studies.

A conference call is planned for next week to discuss their services and negotiate reasonable fees with them.

G. Correspondence from ARI Dated December 31, 2012 Regarding the Review of Naugatuck 2012 Stack Test Results, Comments on Mercury Control.

Jim Stewart commented that the WESP is not necessary except for treatment for lead and removal of small particles. A new WESP will probably be needed with a new Incinerator Mercury Treatment System. Jim also mentioned that you basically have a year to select a device and begin to design it to have it ready by March 2014.

H. Commission Discussion Regarding the WPCA Budget.

Commissioners reviewed the copies of the proposed 2013-2014 Budget that were in the WPCA packets. Jim commented that it is a draft of the proposed budget and will probably bring it back to next months meeting after reviewing it with the Controller and Attorneys. Jim mentioned that the consultant fees and the legal fees were inflated to what is currently being asked for, otherwise it is the same as last year.

Ron Merancy questioned what the Nitrogen Credits will be.

John Batorski commented that we will not know what the actual amount will be until the Nitrogen Credit Commission decides on what each credit is worth. John said it will be in the range of thirty three (33) to thirty nine (39) thousand dollars.

5. Acceptance of Regular Meeting Minutes for November 15, 2012.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the Regular Meeting Minutes for November 15, 2012.

VOTE: **In Favor: 3** **Opposed: 0** **Abstained: 1**
Motion Carried: 3-0-1
Minutes Approved.

6A. This report summarizes the activities at the Borough POTW for November 2012:

This report summarizes the activities at the Borough POTW for **November** 2012:

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.	-	227
Effluent Avg.	30	5
Removal Efficiency	85%	98%
Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	136
Effluent Avg.	30	4
Removal Efficiency	85%	97%

Naugatuck Middlebury

Oxford	OTR			
November Flow Avg. (MGD)	4.8	0.509	*	N/A
Sludge Liquid Total (MGal)				
3,689				
Sludge Cake Total (Wet Tons)				
6880.8				
Septage Total (MGal)	65,500	45,000		203,000
730,350				

Discharge Permit Exceedance: None

**Oxford Flow not available at time of report.*

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	3	41
Unconfirmed Odor Complaints	0	0

1. Compliance & Regulatory Issues

- a. There were 3 recorded Odor Complaints for November 2012.
- b. On November 5, a Notice of Violation (NOV) 17013 was received. The NOV alleges that the wet electrostatic precipitator (WESP) leaks are a violation of the Permit 109-0081, control device failure. We are requesting an extension due to holidays and weather. The sealants are best applied when temperatures are above freezing. A copy of the NOV was furnished in the previous months report.
- c. A CTDEEP odor inspector was on site Nov 5, 21 and 26, a CTDEEP wastewater inspector was onsite Nov 6 (no issues were observed). Night odor surveillance was performed by CTDEEP on Nov 26. No odors were observed by the inspectors.

- d. On Nov. 28 the Borough requested an informal meeting with CTDEEP to discuss the existing status of the consent order, DEEP recent plant inspection, and DEEP ongoing compliance expectations. Copies of all CTDEEP odor inspections were requested by Jim Stewart and will be furnished by CTDEEP.

Attending the meeting were:

1. Jim Stewart, Director of Public Works
2. Wayne Zirolli, Town Engineer
3. Ned Fitzpatrick, Borough Attorney
4. Jon Hoisak, Veolia
5. John Batorski, Veolia
6. William Hardy, Kleinfelder
7. Ray Topazio, TRC
8. Kathy Luvisi, ARI
9. Mark Hultman, TRC

2. Personnel

- a. Individual staff training continues. The APM is reviewing plant/incinerator operations individually with all operations staff.

3. Health & Safety

- a. There were no recordable safety related incidents in November.
- b. Dec 7, 2012 will be the 5 year No Lost Time Accident and a 3 year No Reportable Accidents. The 5 year anniversary of the Safety Milestone celebration would be held Wednesday, Dec 19, 2012.

4. Operational Information

1. Bill Hardy from Kleinfelder visited the plant on Nov 30, 2012. All requested information (plant drawings, reports, DEEP reports, and electronic copies of numerous reports, etc) relating to plant operations was furnished.
2. Incinerator operations continue at capacity. Uptime averaged 95.4%, capacity utilization was 100%, 84.2 DT/Day was the average feed rate.
3. The 115 HP raw sewage pump installation is scheduled for Dec. 2012.
4. Two Submersible anoxic mixers will be ordered for approximately \$7,970 each.
5. The design engineering to evaluate the incinerator dome replacement remains under evaluation.
6. Aeration Tank #2 had to be removed from service for a coupling leak.
7. The #4 sludge storage receiving tank was cleaned of grit and rags.

5. Collections

- a. The original Inwood Pump Station pump rails were replaced with stainless steel as they were in poor condition.

6. Maintenance

- a. Secondary tank #3 and #4 secondary cross collector were repaired.
- b. Northeast Conveyor has started to replace the main dewatering conveyors.
- c. The Fluidizing Air blower (FAB) bearings were replaced Nov 26, 2012 as part of a planned outage. In addition, the FAB motor was changed, plows were welded in the Thermal Drying Unit (TDU), main TDU drive belts were changed, seals were replaced in the overfire air blower, thermocouples were inspected, venturi Bombay door silicon carbide wear plates were replaced, the venturi elbow refractory was repaired, and the tray scrubber was inspected.
- d. The WESP leaks are under repair.
- e. The electronic communications issues with the fuel oil pump have been resolved.

- f. Primary tank FRP cross collector #2 broke due to lack of headworks (grit). Stainless steel chain, new flights and sprockets were installed. The bottom rails were also replaced in the tank.
- g. The recirculation/chopper pump for sludge storage tank #3 has been installed.
- h. The original sand discharge piping for the incinerator has been replaced.
- i. Preliminary work for the incinerator tray scrubber water recycle pump has started.

6. Capital Projects

The aeration blower energy project continues to move forward. Veolia Sourcing is handling the purchase order and warranty portions.

- 6A. John Batorski commented that the Precipitator is at 99.8%. Everything has been welded. John will notify DEEP through the attorney probably late January, early February assuming nothing else leaks through it.**

		This Month	Year to Date	Cost
1	Line TV (feet)	200	750	N/A
1	Meadow Street	200		P1

		This Month	Year to Date
1	Root Treatment (chemical or simply use of root cutter)	0	250
1	None this month		

Pump Station Inspections/Cleaning:

- 1 11/01/2012 Checked Hop Brook, Platts Mill, and Maple & May. Fixed float setup at Maple & May.
- 2 11/02/2012 Checked Horton Hill and Inwood pump stations. Landscaping at Platts Mill and Maple & May.
- 3 11/05/2012 Painted control box at Hop Brook.
- 4 11/07/2012 Cleaned and vacced Platts Mill wetwell.
- 5 11/08/2012 Checked all 5 stations.
- 6 11/09/2012 and 11/12/2012 Helped Weston & Sampson do repairs at Inwood Station.
- 7 11/14/2012 Checked all 5 stations.
- 8 11/15/2012 Treated force main with Permanganate and flushed.
- 9 11/16/2012 Fixed check valve at Platts Mill.
- 10 11/19/2012 Backup generator coolant service at Maple & May.
- 11 11/20/2012 Cleaned and vacced Horton Hill wetwell.
- 12 11/21/2012 Checked all 5 stations.
- 12 11/30/2012 Checked all 5 stations.

Vac Truck Information

Days Out In Use

Contract

150

This Month

13

Remaining

79

Fuel Information

Fuel Cost

Fuel Used

\$178.00

40.7

Gal

Total Year to Date Gallons

\$210.00

48.1

Gal

480.0

Gal

\$295.00

67.5

Gal

Total Year to Fuel Date Cost

\$302.00

67.6

Gal

This Months Total

\$985.00

223.9

Gallons

\$3,422.00

vac truck

Mileage

Engine Hours

Month Start

157473

Month Start

4010.1

Month End

158818

Month End

4068.9

Total

1345

Total

58.8

Vac Truck Repairs:

Vendor

Repair item

Cost

Vendor

Repair item

Cost

Utility Truck

Fuel Cost

Fuel Used

\$133.01

30.444

Gal

Total Year to Date

Gal

Year Date Gallons

142.134

Gal

Year to Date Fuel Cost

\$133.01

30.444

Gallons

\$617.02

- 11/01/2012 Filled out October's monthly report. Took Tomasz Wroblewski out for training on Collections Systems and HVC.
- 11/02/2012 During stations inspections, found Inwood pumps are not alternating correctly, and the breakers still need to be replaced. Also, Platts Mill pump status lights do not work even with new bulbs.
- 11/05/2012 Had the Hazardous liquids spill prevention class. Took Matt Bernardino out for Collections System and HVC training.
- 11/06/2012 Spent some time updating and re-doing 6 month list of trouble spot sewer lines. Snow removal.
- 11/12/2012 Monthly safety meeting.
- 11/13/2012 Called the utility companies about the leaning pole at Platts Mill and grounding rod in line at Horton Hill.
- 11/26/2012 to 11/28/2012 Vacced out Storage Tank 4 at the plant.
- 11/30/2012 Vac truck PM, and Service truck and Admin van were taken to get service.

Borough of Naugatuck Collections System Report
Nov-12

Calls for Service:

This Month
2

Year to Date
4

P2

- 1 282 Quinn Street
- 2 Meadow Street

Calls Caused By Collection System:

- 1 282 Quinn Street

Reason
Poor manhole construction.

Line Flushing (feet)

This Month
8980 Feet

Year to Date
60985 Feet

1	Beaconwood Court		250
2	Rockwell Ave Easement	6 Month List	250
3	Quinn Street	6 Month List	520
4		6 Month List	620
5	Chestnut Street Easement	6 Month List	300
6	Casper Court	6 Month List	510
7	Baldwin Street	6 Month List	345
8	Alma Street	6 Month List	450
9	Endogen Street	6 Month List	400
10	Fern Street	6 Month List	480
11	Moonlight Circle	6 Month List	400
12		6 Month List	370
13	Morning Mist Road	6 Month List	600
14	Quinn Street	Call in	260
15	Homestead Ave	6 Month List	440
16	Tawny Thrush Road	6 Month List	600
17	Pleasant Ave	6 Month List	440
18	Melbourn Street	6 Month List	600
19	Meadow Street	Call in	200
20	Gorman Street	6 Month List	675
21		6 Month List	270

6-B This report summarizes the activities at the Borough POTW for December 2012:

This report summarizes the activities at the Borough POTW for **December** 2012:

2. 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.	-	224
Effluent Avg.	30	5
Removal Efficiency	85%	98%
Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	154
Effluent Avg.	30	4
Removal Efficiency	85%	97%

Naugatuck Middlebury

Oxford OTR

December Flow Avg. (MGD) 5.2 0.585 0.083

N/A

Sludge Liquid Total (MGal)

3.334

Sludge Cake Total (Wet Tons)

7,139.27

Septage Total (MGal) 43,000 35,000 148,200

652,250

Discharge Permit Exceedance: None

*Oxford Flow, November 2012: 0.064 MG.

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	0	41
Unconfirmed Odor Complaints	0	0

7. Compliance & Regulatory Issues

- a. There were 0 recorded Odor Complaints for December 2012.
- b. Mark Zimmerman responded to the west WESP NOV 17013 requesting an extension until May 1, 2013 to repair the minor leaks.

8. Personnel

- a. No report.

9. Health & Safety

- a. There were no recordable safety related incidents in December.
- b. Dec 7, 2012 was the 5 year No Lost Time Accident and a 3 year No Reportable Accident anniversary. A Safety Luncheon/Holiday celebration was held Tuesday, Dec 18, 2012.

10. Operational Information

- a. Aeration Tank #2 was removed from service for a diffuser coupling leak. Repairs were completed within 1 week and the tank returned to service.

11. Collections

- a. No issues to report.

12. Maintenance

- j. The 115 HP raw sewage pump installation is scheduled for completion in Jan 2013. The new pump was installed in the #1 location.
- k. New silencers were installed on two aeration blowers. The original silencers actually cracked into many pieces from the constant vibration. One blower will be sent for seal replacements.
- l. Knapp Engineering was in on December 17 to perform annual incinerator calibrations. All instruments were within parameters.
- m. The FAB motor will be sent to AEM to replace the bearings and rewind (~\$18,200).
- n. The schedule 160 Abel discharge piping fabrication has started.
- o. OWAM program updates continue by the Maintenance Planner.
- p. The original primary sludge pumps are in poor condition. We are investigating the cost of replacing the original Wemco centrifugal pumps and Muffin Monsters with a Vaughn chopper pump.
- q. An 8 hour review class on the Abel pumps was presented to maintenance staff.
- r. Northeast Conveyor replaced the main dewatering conveyor and many of the original liners.
- s. WESP repairs are under way.
- t. Primary tank FRP cross collector #2 was returned to service in December. The north primary tank required extensive repairs which were completed in December.
- u. The Abel pumps will require some critical spare parts and a list is being developed. Those pumps operate 24/7, at pressures up to 1500 psi. As such, parts wear out pumping the cake sludge.
- v. Maintenance is planning the replacement of the original 53 ft conveyor during the first quarter of 2013. The 4 inch diameter hanger bearing shafts have worn to approximately 3 inches and the hanger bearings also require replacement. That task will require the cake silo to be empty. We estimate it will take approximately 12 hours to replace the conveyor. That same day, original vertical conveyors will also be replaced.



7. Capital Projects

- a. The turbo aeration blowers have been ordered with a May 2013 arrival date. A meeting was held on Dec 20 with Glen Schultz, Pillar rep regarding installation and setup of the new blowers. Pillar has a 200 HP blower in stock at their Schenectady N.Y facility. The Maintenance Manager will take plan a visit to inspect the blower so that he can better plan the installation of the new blowers. We already have the maintenance manuals and drawings.

Borough of Naugatuck Collections System Report
Dec-12

7

Calls for Service: This Month 0 Contract Year to Date 4
1 None this month

Calls Caused By Collection System: Reason
1 None this month

Line Flushing (feet)		This Month	Year to Date
		21240	82225
		Feet	Feet
1	Coen Street	530	
2		530	
3	Fuller Street	200	
4	John Street	160	
5	Bingham Street	100	
6	Picture Lane	150	
7	Carolyn Lane	260	
8		120	
9		80	
10	Rustling Reed Road	350	
11		225	
12		195	
13		365	
14	Sunburst Road	800	
15	Kent Street	250	
16		350	
17	Coen Street	430	
18		225	
19		235	
20	Lewis Circle	70	
21		110	
22		110	
23	Old Farm Road	350	
24		200	
25		140	
26	Apple Blossom Drive	270	
27		375	
28	Fawn Meadow Drive	150	
29		660	
30		100	
31		90	
32	Wild Cherry Drive	115	
33		140	
34		85	
35	Fawn Meadow Drive	225	
36		125	
37		300	
38		315	
39		340	
40	Swift Lane	250	
41		105	
42		140	
43	Maple Hill School lateral	150	
44	Woodside Drive	400	
45	Rough Wing Road	345	
46		305	
47		100	
48		100	
49		175	
50		140	
51		170	
52	Bobwhite Circle	180	
53		140	
54	North Main Street	260	
55		420	
56	Golden Court	140	
57	Brennan Street	480	
58	Crown Street	440	
59	Brennan Street	300	
60	Diamond Street	200	

Vac Truck Information		This Month		Remaining	
Days Out in Use		13		66	
Contract					
150					
Fuel Information		Fuel Cost	Fuel Used		
		\$260.00	59.9 Gal	584.4	Total YTD Gallons
		\$193.00	44.5 Gal		584.4 Gal
			Gal		
			Gal	\$3,875.00	Total YTD Fuel Cost
			Gal		
	This Months Total	\$453.00	104.4 Gallons		
vac truck		Mileage		Engine Hours	
	Month Start	158818		Month Start	4068.9
	Month End	159686.8		Month End	4121
	Total	868.8		Total	52.1
Vac Truck Repairs:		Repair item			
		Cost			
		Vendor			
		Repair item			
		Cost			
Utility Truck		Fuel Cost	Fuel Used		Total Year to Date
Fuel Information		\$124.00	28.57 Gal		Year Date Gallons
		\$120.00	27.27 Gal		197.974
			Gal		
			Gal		
		\$244.00	55.84 Gallons		YTD Fuel Cost
					\$861.02

- Notes:
- 12/3/2012 Vaccumed out Primary Clairifier Skimmings and Vaccumed out Thickener Tank #3.
 - 12/6/2012 Installed new hatch for check valve chamber at Inwood pump station.
 - 12/11/2012 Cameraed lines off of blowers.
 - 12/17/2012 Updated 6 month cleaning list and made a new Excel file to keep track of cleanings.
 - 12/18/2012 Safety/Christmas lunch at the plant. Looked for missing lids on Scoot/Arch Street.
 - 12/19/2012 Installed new hatch for wetwell at Maple & May.
 - 12/20/2012 Removed old crane from Utility Truck.
 - 12/21/2012 Fixed overheating generator at Maple & May pump station.
 - 12/26/2012 Had emissions test done on Utility Truck.
 - 12/27/2012 Snow removal. Repaired lights on Dump Truck.
 - 12/28/2012 Finished repairs on Dump Truck.
 - 12/29/2012 to 12/30/2012 Called in to plow snow through the night.
 - 12/31/2012 New tire on Dump Truck. Snow removal at pump stations.

7. **VOTED:** Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ADD To The Agenda - Commission Discussion on the Revised Sewer Service Study Area.**

VOTE: **In Favor: 4** **Opposed: 0** **Abstained: 0**
Motion Carried: 4-0-0

Jim Stewart commented that the Naugatuck Sewer Service Area was never accepted yet. He received a call from the people doing the Town Planning Conservation and Development and they are looking for a copy of it. Jim said he met with Attorney Fitzpatrick regarding the changes that were made and a public hearing will need to be set up to discuss it.

The last thing that happened was that the DEEP comments were all resolved except for the 2 subdivisions by Andrew Mountain Road. Attorney Fitzpatrick agreed that it should be taken out of the Sewer Area and make them *Sewer Avoidance.

Jim commented that developers have expressed interest in developing one of the areas, the Wilmont area. Jim said that *A Note was added to Sewer Avoidance saying that people have expressed interest to develop this area and if a developer comes with a plan and the developer can get state approval to put sewers in that area, then we would consider it.

Jim commented that the previous approvals have expired. They were only good for 5 years and they were for the projects they designed. The projects they designed are expired. They came back with modifications to the zoning language to allow active adult construction in R-65 zone. They didn't apply it to a map. There's been no real zone change. Attorney Fitzpatrick agrees with this and there should be a public hearing to discuss it.

Jim commented that he will be forwarding this to the Council of Government to see what they say and also to the DEEP for their comment one more time, then would like to plan on having the public hearing in 60 days. Jim said he will have the comments for WPCA to review at the next meeting.

8. **Adjournment.**

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Pat Mallane to **ADJOURN** the meeting at 6:45 P.M.

Attest: Catherine Aresta, Secretary/dl