

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
FEBRUARY 21, 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

OTHERS:

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

ABSENT: Pat Mallane

VISITORS: Attorney Michael McVerry
Randy Quinn, ALX Ventures, LLC
Kathy Luvisi, ARI
Bill Hardy, Kleinfelder
Mark Hultman, Kleinfelder
Ray Topazio, Kleinfelder

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **New Business and Correspondence.**
 - A. **Commission Discussion Possible Approval Regarding a Special Permit for Interior Lot on a Proposed 6 Lot Subdivision for Property Located at 68 Arch Street at the Intersection of Scott Street with Attorney Michael McVerry and Randy Quinn – ALX Ventures, LLC.**

Attorney McVerry explained that this is currently a .93 acre parcel containing 2 deteriorated dwellings (a multi-family and a single family) which will be removed and demolished. ALX Ventures is proposing a 6 lot subdivision on this parcel. The property is located in a RA-1 Zone with a minimum lot size of 5,000 square feet. Naugatuck Zoning Regulations require proposed interior lots located in the RA-1 Zone need a Special Permit Approval prior to being included in a subdivision. ALX Ventures, LLC has filed the Special Permit Application and paid the appropriate fees with the Naugatuck Zoning Commission. They have paid the WPCA Application Fees and are asking for a Special Permit Approval and also a Subdivision Approval from WPCA.

Ron Merancy commented that the Plans Submitted will be Accepted Contingent upon Jim Stewart's Approval to meet the Standard Conditions with a Notation that they also must meet the following conditions of the WPCA Engineering Report:

WPCA Engineering Report

Project: ALX Ventures LLC Subdivision
Location: Scott and Arch Street

Comments:

1. The Sanitary sewer lateral for the rear lot shall be redesigned to provide minimum 1% slope. The lateral may be directed to Arch Street with appropriate easements or a pumping system may be installed. The revised design shall be approved by the Director of Public Works.
2. All Sewer connection fees shall be paid prior to applying for a building permit.
3. 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. Approval for the Sewer Connection to the Rear Lot Pursuant to the Special Permit and Zoning Regulations.

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **APPROVE** the **SPECIAL PERMIT**

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

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **ACCEPT THE SUBDIVISION**

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

B. Correspondence from Chemtura Dated January 29, 2013 Regarding the Discharge Monitoring Report for December 2012 – Permit SP0000065.

No Discussion.

C. Correspondence from Connecticut Water Dated February 5, 2013 Regarding Scheduled Draining, Cleaning, Maintenance and Inspection of the Clarifiers on March 12 and March 19, 2013 for Sewer Discharge.

No Discussion.

3. **Old Business.**

A. **Commission Discussion Regarding Correspondence from Kleinfelder on the Naugatuck Facilities Plan – Revised Scope and Fee.**

Bill Hardy from Kleinfelder Discussed the Revised Scope and Fees for the Naugatuck Facilities Plan and commented that the TRC has eliminated pilot testing of Scrubber Chemicals from Task 2 and separated it out as an optional add-on-task. The Kleinfelder Consultants believe that the pilot testing would be extremely beneficial in order to fine tune the equipment and chemicals proposed. TRC has also eliminated odor modeling from Task 3 and if required by CTDEEP, Veolia would likely be responsible for this task as part of their contract.

Bill commented that they have reduced the metering locations from 23 to 20 based on the review of the prior flow metering results in the 1991 and 2011 reports and because of the relatively dry year in 2011, the flow metering results that year are not adequate enough to develop conclusions of the sources of inflow.

Bill mentioned that based on conversations and quotes received from Veolia about their knowledge and observations of the sewer system and suspected areas of inflow, they intend on using Veolia for all field work except building inspections and may opt to use a different sub for some isolated field work to achieve their MBE/WBE goals. Bill also commented that he expanded the scope of Task 7 for the Preliminary Sewer Rate Analysis based on comments received by Jim during their last phone conversation.

Bill commented that the flow metering needs to start the last week of March and would like to be on the WPCA Agenda in order to have time to get to CTDEEP for authorization to proceed.

4. **Acceptance of Regular Meeting Minutes for January 17, 2013.**

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **ACCEPT** the Regular Meeting Minutes for January 17, 2013.

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

5. This report summarizes the activities at the Borough POTW for January 2013:

This report summarizes the activities at the Borough POTW for [January](#) 2013:

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.	-	104
Effluent Avg.	30	5
Removal Efficiency	85%	94%
Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	110
Effluent Avg.	30	4
Removal Efficiency	85%	94%

Naugatuck Middlebury

Oxford	OTR			
January Flow Avg. (MGD)	5.8	0.585	0.087	N/A
Sludge Liquid Total (MGal)				
3,270				
Sludge Cake Total (Wet Tons)				
7,155.29				
Septage Total (MGal)	22,000	19,000	85,000	
265,300				
Discharge Permit Exceedance: None				

Safety Incidents and Odor Complaints

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

1. Compliance & Regulatory Issues

- a. There were no recorded Odor Complaints for January 2013.
- b. The WESP repairs are 98% completed (~\$27,800 thus far and counting).

2. Personnel

- a. Annual Naugatuck High School scholarship award \$1000 (plus \$100 Connecticut Community Foundation handling fee is \$100) is being processed.

3. Health & Safety

- a. There were no recordable safety related incidents in January.
- b. Annual medical respirator evaluations are underway.

4. Operational Information

- a. Copies of annual and semiannual reports are included in the packet. There are no discrepancies to report.

- b. Incinerator operations for January averaged 92% capacity. Uptime averaged 94%, average dry ton feed/hour was 3.43 (3.5 is permit max).
- c. Both wet wells were cleaned of accumulated grease and debris.
- d. A 4 hour review class on the Incineration was presented to the Operations staff. All equipment relative to incineration was discussed as well as instrument settings.

5. Collections

- a. No issues to report.

6. Maintenance

- a. The original #1 Thickener transfer pump was not economical to rebuild and was replaced with a Boerger rotary lobe pump (~\$17,000).
- b. A conveyor liner was removed from the north Abel augers.
- c. The venturi pressure transmitter failed and was replaced (~\$800).
- d. The original secondary odor scrubber fan motor failed and was replaced (\$1,648).
- e. An original thickener isolation valve for the #2 thickener was replaced. Additional plug valves (3@~\$800 ea) were also purchased as some original plug valves no longer seal.
- f. The south J Spin Moyno feed pump requires a rebuild. A Boerger pump was purchased (~\$17,000) and will be installed in February as it is easier to maintain.
- g. A VFD for the #1 foreign sludge hopper screw conveyor failed and was replaced.
- h. The VFD for the north J Spin failed and was replaced.
- i. The 115 HP raw sewage pump installation was completed and the pump is in service.
- j. The FAB motor was sent to AEM will cost ~\$18,000 as a rewind was required. Once rebuilt in will be placed as a critical spare.
- k. Two failed submersible mixers from the anoxic zones of the aeration tank were sent for evaluation. Inspection revealed the mixers were not economical to repair. Two replacements are on order (~\$16,000) and due in March.
- l. The schedule 160 Abel discharge piping fabrication continues. One side was totally replaced and the remaining side installation continues.
- m. Vaughn Chopper pumps (2@~\$8,000 ea) were ordered to replace the original primary sludge pumps. Those original pumps are in poor condition and not economical to repair.
- n. Northeast Conveyor replaced the main dewatering conveyor and many of the original liners.
- o. Primary tank FRP cross collector #2 was returned to service in December. Additional spare sprockets, chain tensioners for about \$9,000 were purchased. In addition, some sprockets, new drive shaft and bearings are also required. The lack of proper headworks is causing the bulk of the problems (rags on sprockets and grit).
- p. Maintenance is planning the replacement of the original 53 ft conveyor in late February 2013. We estimate it will take approximately 12 hours to replace the conveyor. It is important to note that the cake silo will have to be completely empty for this job. There will be some scheduled cake diversions that weekend.
- q. In March we are planning on replacing two of the original vertical Spirac conveyors.
- r. The #2 raw sewage pump replacement project will start in late February (piping/check valves were \$12,000).

6. Capital Projects

- a. The Pillar turbo aeration blowers (\$325,780) will arrive May 2013.

Borough of Naugatuck
Collections Systems Report
Jan-13

Calls for Service:
1 Union City Road DEEP Case # 2013-200

This Month

Contract
Year to Date
4

Calls Caused By Collection System:
1 Union City Road

Reason
Big rocks/grit in line.

Line Flushing (feet)

		This Month	Year to Date
		15525	97750
		Feet	Feet
1	Hackett Street	410	
2		165	
3		300	
4	Fairwood Road	160	
5	Beacon Manor Road	260	
6		665	
7		305	
8	Beacon Manor Circle	375	
9	Beacon Manor Road	300	
10	Beacon Manor Circle	275	
11	Beacon Manor Road	460	
12	Summerfield Street	370	
13	Beacon Manor Road	200	
14		260	
15	Carriage Drive	340	
16		280	
17		240	
18	Tudor Lane	240	
19		200	
20		100	
21		200	
22		100	
23		100	
24	Celentano Drive	740	
25		310	
26		235	
27	Union City Road	175	
28		675	
29	Celentano Drive	110	
30		120	
31		100	
32		260	
33		210	
34		255	
35	Leo Lane	165	
36	Celentano Drive	300	
37		300	
38		300	
39		125	
40		140	
41		865	
42	Carriage Drive	365	
43		275	
44	Harvest Lane	140	
45	Hemlock Road	500	
46	Mary Drive	265	
47	Carriage Drive	300	
48		155	
49		255	
50	Vincent Place	145	
51		190	
52		70	
53	Carriage Drive	250	
54		155	
55	Sunrise Circle	130	
56		88	
57		167	
58		112	
59	Ruela Drive	300	
60		53	

Line TV (feet)

1 None this month

This Month

0

Year to Date
825

Root Treatment (chemical or simply use of root cutter)

1 None this month

0

Year to Date
3250

1 Pump Station Cleanings:
Vacced and cleaned the High School grease trap.

1 Pump Station Inspections:
01/04/2013 Checked all 5 stations
2 01/11/2013 Checked all 5 stations
3 01/14/2013 Called to Inwood for power loss.
01/18/2013 Checked all 5 stations
01/21/2013 Call to Platts Mill for low level.
01/25/2013 Checked all 5 stations
4 01/31/2013 Checked stations after bad wind storm.

Contract	This Month		Remaining
150	11		55
Fuel Information	Fuel Cost	Fuel Used	
	\$250.00	57.6 Gal	Total Year to Date Gallons
	\$180.00	36.9 Gal	721.6 Gal
	\$185.00	42.6 Gal	Total Year to Fuel Date Cost
			\$4,470.00
This Months Total	\$595.00	137.1 Gal	

vac truck	Mileage		Engine Hours	
	Month Start	159687	Month Start	4068.9
	Month End	160812	Month End	4181.5
	Total	1125	Total	112.6

Vac Truck Repairs:

Vendor	Repair Item	Cost

Utility Truck	Fuel Cost	Fuel Used	Gal	YTD Gallons	Total YTD Fuel Cost
	\$136.00	31.3	Gal	264.574	\$1,150.01
	\$152.99	35.3	Gal		
			Gal		
			Gal		
			Gal		
This Months Total	\$288.99	66.6			

Mileage

Highlights

01/03/2013 Cleaned Secondary Clairifier #2 sludge overflow line.
01/04/2013 Picked up 55 Gal drum of anti-freeze for water tanks on vac truck at Torro
01/07/2013 PM on Vector truck.
01/08/2013 Went to Home Depot to get lumber for the plant.
01/09/2013 Repaired water valve on Vector Truck. Vacced out drains by Thickener Transfer Pumps.
01/10/2013 Installed new crane on F-350 Utility truck and cleaned it. Repaired hose wheel on Vector truck.
01/15/2013 Monthly plant safety meeting.
1/16/2013 Snow removal all day.
01/23/2013 Went to Home Depot for supplies. Installed gutter in Foreign Sludge Bin basement.
01/24/2013 Cleaned and vaccumed out plant wet well. Vacced Primary Clairifier Skimmings twice.
01/25/2013 Thawed and HVCed lagoon line.
01/28/2013 Snow removal. Worked on vector truck. Had to drive to get parts made. Changed oil on Dump Truck plow.
1/29/2013 Installed new hoses on vector truck tanks.

6. Commission Discussion Regarding ARI Annual Inspection FY2012 (Contract Year 10 Report.

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **ADD TO AGENDA, A Discussion Regarding ARI Annual Inspection FY2012 (Contract Year 10).**

VOTE: **In Favor: 3 Opposed: 0 Abstained: 0**
Motion Carried: 3-0-0

Kathy Luvisi from ARI handed out copies of the ARI Annual Inspection FY2012 (Contract Year 10) Regarding the Wastewater Treatment Plant, the Pump Stations and Collection System and also the Incineration Facilities.

Kathy discussed the File of O&M Records, the WWTP Performance, the Incineration Throughput, the site Inspection of the Wastewater Treatment Plant, Pump Stations, and Incineration Facilities.

Kathy commented on what the upcoming issues for 2013 will be. It will include the WWTP NPDES Permit Renewal (expecting draft permit in 2013), Facilities Plan, Grit Chamber and Bar Rack, Phosphorous Removal (seasonal effluent limit of 0.4 mg/L and potential for pilot testing summer of 2013), Incinerator Emissions Mercury Control (New EPA limits for Hg and other Pollutants) auxiliary stack testing in Fall 2012, Odor Control Improvements, Complete review of Annual Settlement Statements (CY1-10), Negotiations with Veolia-Insurance, DNR/percentage rent, odor control, and other issues.

7. **Adjournment.**

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

Attest: Catherine Aresta, Secretary/dl