

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
SEPTEMBER 20, 2012**

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: Attorney Kevin McSherry

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **New Business and Correspondence.**
 - A. **Commission Discussion / Decision Regarding 12 Bear Paw Road Sewer Lateral and Lot of Joseph Rzeszutek with Attorney Kevin McSherry.**

Attorney Kevin McSherry on behalf of Joseph Rzeszutek stated that Mr. Rzeszutek owns a property at 3 Bear Paw Road (his house is listed as Lot # 6 on the attached Map). Mr. Rzeszutek is requesting permission from the WPCA to run a lateral to service the lot through an easement on a different lot. The easement will connect to Horton Hill Road. There is no sewer line on Bear Paw Road because there is ledge. Attorney McSherry stated that he advised Mr. Rzeszutek that if he was to connect that lot he would have to pay the connection fee whenever he goes to connect it, and he said he would be willing to do that.

Jim Stewart asked if he would be tying into the current lateral or if he would be running his own separate lateral. Attorney McSherry commented that he spoke to Wayne Zirolli about tying into the existing lateral and he said he would be installing a separate lateral to service the new house.

Ron Merancy commented that he would be responsible to maintain that line all the way to the connection in the road. WPCA is only responsible for the main line where it is connected in the road.

Attorney McSherry commented that the lateral is the home owner's responsibility and Mr. Rzeszutek is aware of that.

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta for the Board to **AUTHORIZE APPROVAL** for the **Engineering Department to give Approval Subject to the Drawings of the Easement.**

VOTE: In Favor: 4 Opposed: 0 Abstained: 0
Motion Carried: 4-0-0
Authorization Accepted Subject to The Engineering Department's Approval to the Drawings of the Easement.

B. Commission Discussion / Decision Regarding The Garden Homes Management proposing a Residential Development Consisting of 118 Units of Housing on a Parcel of Land located between Hurley Road & Airport Road.

The Oxford Agreement on file states that it can deliver up to a million gallons a day. The WPCA will write a letter to Oxford confirming that the Naugatuck Wastewater plant has sufficient available water usage capacity for the proposed residential housing project consisting of 118 units.

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta for the Board to **ACCEPT** the Total Water Usage Capacity of an Estimated 47,200 gpd for the Proposed Residential Development Consisting of 118 Units of Housing on a Parcel of Land, Located Between Hurley Road and Airport Road in Oxford, CT.

VOTE: In Favor: 4 Opposed: 0 Abstained: 0
Motion Carried: 4-0-0
Sufficient Total Water Usage Capacity of an Estimated 47,200 gpd is Acceptable.

C. Project Memorandum dated August 8, 2012 from M.I. Holzman & Associates to Kathy Luvisi of ARI Regarding the Review of Stack Testing Proposal to conduct additional Stack Testing Services at the Naugatuck Sewage Sludge Incinerator.

No Discussion.

D. Correspondence from Connecticut Conference of Municipalities dated August 15, 2012 Regarding the Update on Phosphorus Strategy.

No Discussion.

E. Correspondence from Chemtura dated August 29, 2012 Regarding The Discharge Monitoring Report Permit SP0000065 for July, 2012 and The Annual Report Permit SP0000065 for the Naugatuck WPCA Facility Effluent.

No Discussion.

F. Correspondence from Veolia Water dated August 31, 2012 Regarding the Naugatuck Facility Insurance Premium Reimbursement Invoices for CY1-CY11.

No Discussion.

3. Old Business.

A. Commission Discussion Regarding the Facility Plan Consultant Interviews.

The Commissioners Decided to Invite the Consultants from Wright-Pierce and Kleinfelder to speak at the next Regular WPCA Meeting scheduled on October 18, 2012 before making a final decision.

4. Acceptance of Regular Meeting Minutes for July 19, 2012.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the Regular Meeting Minutes for July 19, 2012

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

5. This report summarizes the activities at the Borough POTW for August 2012:

This report summarizes the activities at the Borough POTW for [August](#) 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.	-	136
Effluent Avg.	30	4
Removal Efficiency	85%	98%

Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	204
Effluent Avg.	30	5
Removal Efficiency	85%	97%

OTR	Naugatuck	Middlebury	Oxford
August Flow Avg. (MGD)	4.6	0.429	0.087
Sludge Liquid Total (MGal)			N/A
3.518			
Sludge Cake Total (Wet Tons)			
5705.8			
Septage Total (MGal)	30,250	42,000	163,250
623,150			
Discharge Permit Exceedance: None			

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	7	32
Unconfirmed Odor Complaints	0	0

1. Compliance & Regulatory Issues

- a. There were 7 recorded Odor Complaints for August 2012. Thus far in 2012, there are 32 odor complaints. CTDEEP Inspector Phil Schnell was on site August 2, 2012 to review an odor Meadow complaint from the Meadow Brook area. On August 29 CTDEEP Inspector Lou Santos was onsite 5 hours. No odors other than slight musty odors were detected on site by the inspectors. Lou Santos indicated there may be night odor surveillance by CTDEEP in the Meadow Brook area. He requested that Chris or John be onsite on those days which is no problem. The recent odor complaints are logged around 6 PM. Collections will jet sewers in the Meadow Brook and Cotton Hollow area (the sewers were clean and no odors were observed).
- b. A PO to CK Environmental (\$54,450) for addition emission testing to take place after the annual compliance test (Sept 24, 2012). The additional testing (Sept 25-28) will provide analytical data on venturi settings, fluidizing blower, ID fan requirements, WESP operations, as well as other analytical data. The data would be analyzed to determine what is necessary to achieve the new emission regulations.

2. Personnel

- a. Mike Azzarito was hired effective August 27, 2012 to fill the vacant Operator position.
- b. The Maintenance Planner (Database Analyst) position will be advertised in September.

3. Health & Safety

- a. There were no recordable safety related incidents in August.

4. Operational Information

- a. On August 1, 2012 localized heavy rainfall caused major flooding in the Naugatuck area. A CTDEEP Bypass Report was filed as a result of the rainfall. Influent flows peaked at 20.4 MG less than 90 minutes after the start of the rain event. Normal plant flow before the rain event was 4.5 MG. The storm water runoff came so quickly the raw sewage pump dry well was flooded. All the lighting in that area had to be replaced.



Storm water from adjacent property channel.

Storm water overflowing into effluent

- b. I am still checking with CTDEEP regarding the status of the ammonia probe rebate check of approximately \$21,500.
- c. An 85 HP raw sewage pump (~\$46,500) was ordered to replace an old 60 HP pump. The pump will not arrive until after 1/1/13.
- b. The Borough WPCA interviewed Wright Pierce, Kleinfelder SEA, and Weston Sampson on Aug 8, 2012 to select one of them to prepare the facility plan.
- c. The south ash lagoon was placed in service and the ash from the north lagoon will be removed.
- d. Primary tank #3 broke as a result of a skimming arm falling in the tank. The tank was repaired and returned to service.
- e. The heavy rainfall caused the primary tanks to fill with grit. Each tank cross collector was removed from service for grit removal. That task took several days.
- f. The Borough will place 3 to 4 inches of millings on the access road in August. The thought was to see if the millings would reduce the dust levels.
- g. A meeting is being scheduled in September (tentatively Sept 10) with Wright Pierce and Kris Vernenkar to determine the engineering cost to evaluate the incinerator dome replacement. Refractory and steel dome replacement costs will be evaluated.
- h. The ORP controller (~\$1200) for the dewatering scrubber failed and was replaced .

5. Collections

- a. A PO was issued to Weston and Sampson for the Inwood Ave pump station (~\$10k). The pump mounting rails have deteriorated and must be replaced. This is the last pump station that requires pump rail replacement.

- b. There are some manholes in Hop Brook that have a buildup of debris (branches). Since the water level is low, staff will remove the debris.
- c. As a result of the heavy rainfall on Aug 1, 2012, the Collections crew identified areas to be smoke tested and CCTV'd (larger diameter sewers than our camera can handle). A list was prepared and sent to Jon Mongie for their assistance (12,400 ft to smoke test and 1175 ft to CCTV).
- d. Staff is installing ¾ inch flat head bolts to seal about 50 manholes. The manholes were identified during the recent heavy rain event. Storm water was running through the ¾ inch openings in the manholes. Sealing the openings with a stainless steel fastener was less expensive than replacing manholes or installing an inflow cover.

6. Maintenance

- a. The hot oil actuators for the TDU were cleaned/adjusted in August.
- b. A second vibration analysis revealed the non drive end bearing on the ID fan appears fine. Additional monitoring is scheduled for the future.
- c. Aeration blower A, 250 HP motor failed and a replacement was installed. The silencers are developing cracks from the vibration of the blowers. The issue appears to be the aftermarket silencers. The material used in the silencers is different than the OEM. More info will be available as this develops.
- d. The original #3 sludge storage tank mixer drive failed (last year the #4 sludge storage tank mixer drive failed). The new pump installation will be scheduled during the month of September.
- e. A new raw sewage pump is expected to arrive in mid Sept 2012. Caldon has been contacted to assist with the installation.
- f. The original 53 ft conveyor was sent to AEM for repairs. The repairs were estimated at approximately \$11,000.
- g. Square D was on site to review the Spirac motor starter buckets. The goal is to install soft starts to eliminate the torque on the augers when they start.
- h. Several days were spent on the primary tanks removing grit from the Aug 1 high flows. The wear shoes were replaced on the cross collector flights.
- i. A new electrical feed was installed for the Control Room HVAC.
- j. The original sand discharge piping for the incinerator is slowly being replaced as time permits.
- k. The cake sludge feed piping to the incinerator has worn thin (it has several patches) after years of service. Replacement sch 160 piping is estimated at approximately \$14,000.

7. Capital Projects

The hot oil cooler was ordered (\$69,440) and should arrive in September or October 2012. The oil cooler location will be on the second level of the incinerator platform, well out of the way of the sludge cake trucks. We will need to have an engineer assist with the supports for the oil cooler at this new location. Jackie Miller (Joseph Miller Consultants) will provide an approximate 60 to 90 minute review class for the staff on the hot oil system during her visit. She is expected to be onsite on October 2012.

Borough of Naugatuck Collections System Report
Jul-12

Calls for Service:		This Month	Contract Year to Date
1	Curtis Lane	1	1

Calls Caused By Collection System:		Reason
1	None	N/A

Line Flushing (feet)		This Month	Year to Date
		18020	18020
		Feet	Feet
1	Stonybrook Road	200	
2	Stonybrook Road Easment	75	
3		620	
4		200	
5	Pilgrim Lane	280	
6	Pilgrim Lane Easment	250	
7	Timothy Road	342	
8	Heritage Drive	325	
9	Westwood Driver	233	
10		215	
11	Heritage Drive	50	
12		285	
13	Wedgewood Drive	325	
14	Heritage Drive	430	
15	Cherry Street Ext.	425	
16	Charles Street 6 month list work order	110	
17		445	
18	Charles Court 6 month list work order	135	
19	Central Ave 6 month list work order	200	
20		195	
21	Damson Lane 6 month list work order	765	
22	George Street 6 month list work order	325	
23	May Ave 6 month list work order	230	
24	Sharon Ave	345	
25	Spencer Street 6 month list work order	260	
26	Brookside Road 6 month list work order	710	
27	Alma Street 6 month list work order	450	
28	John Street	620	
29	Quinn Street 6 month list work order	305	
30	Sheffield Street	320	
31	Park Ave 6 month list work order	500	
32	Stanley Street	230	
33	Nixon Ave 6 month list work order	535	
34	Curtis Lane	250	
35	Fairfield Sourt	185	
36		190	
37	Victoria Lane	250	
38		150	
39	Trout Brook Road	340	
40		590	
41		295	
42	Fairwood Road	545	
43		90	
44		160	
45	Marbern Lane	150	
46		150	
47		50	
48		150	
49		340	
50	Briarwood Road	160	
51		555	
52		475	
53		60	
54		170	
55		200	
56	Westview Drive	500	
57	Beacon Vally Circle	215	
58		215	
59	Allerton Road	650	

Root Treatment (chemical or simply use of root cutter)		This Month	Year to Date
1	Brookside Road (root cutter)	965	965
		965	
Line TV (feet)		This Month	Year to Date
1	Brookside Road	100	100
		100	

Pump Station Cleanings:

07/03/2012 Painted doors, vents, and poles at Maple & May
07/05/2012 Vac and cleaned Maple & May
07/10/2012 Vac and cleaned Hop Brook and grease trap
07/13/2012 Cut grass at Platts Mill
07/17/2012 Vac and cleaned Platts Mill
07/25/2012 Landscaping and Maple & May and Platts Mill
07/27/2012 Put Hypoclorite and Promaginate in Maple & May and Inwood pump stations.

Pump Station Inspections:

07/06/2012 Checked all 5 stations
 07/13/2012 Checked all 5 stations
 07/19/2012 Checked all 5 stations
 07/25/2012 Checked all 5 stations
 07/26/2012 Checked station generators before/after storm

Vac Truck Information

Days Out In Use

Contract
150

This Month
17

Remaining YTD
133 17

Fuel Information

Fuel Cost	Fuel Used	
\$135.00	33.8	Gal
\$207.00	51.0	Gal
\$221.00	55.3	Gal
This Months Total	\$563.00	140.01 Gallons

Total Year to Date Gallons
140.0 Gal

Total Year to Fuel Date Cost
\$563.00

	Mileage	YTD
Month Start	153521	
Month End	154456	
Total	935	935

	Engine Hours	YTD
Month Start	3795.2	
Month End	3851.3	
Total	56.1	56.1

Vac Truck Repairs:

Vendor
Repair item
Cost
Vendor
Repair item
Cost
No repairs this month.

Utility Truck

Fuel Information

Fuel Cost	Fuel Used	YTD
		Gallons
		0.0
This Months Total		Total Year to Date
		Fuel Cost
		\$0.00

Highlights

07/06/2012 PM on both collections vehicles.

07/09/2012 Primary Clarifier Skimmings vacced down.

07/13/2012 Met with Westin & Sampson at Inwood Pump Station so they could see what needs to be updated.

Went to the print shop to order new sewer maps.

07/18/2012 Primary Clarifier Skimmings vacced down.

07/23/2012 Came in on call to unplugg roof drain with Vac Truck.

07/24/2012 Primary Clarifier Skimmings vacced down.

07/27/2012 Low Level alarm at Platts Mill Pump Station.

07/30/2012 Uplugged Primary Clarifier 1 line. Went to the High School because their grease trap station alarm was going off.

07/31/2012 Went to High School to vac out grease trap for plumber to fix station.

Borough of Naugatuck Collections System Report

Aug-12

Calls for Service:

This Month

Year to Date

1	165 Hillside Ave	1
2	97 Trowbridge Road	

Calls Caused By Collection System:

Reason

1	165 Hillside Ave	Manhole overflowed a little into road.

Line Flushing (feet)

This Month

Year to Date

1	Hillview Road	280	280
2		560	
3	Summerfield Road	240	
4		240	
5	Church Street	350	
6	Hillside Ave	200	
7		200	
8	Church Street	270	
9		300	
10		245	
11	Park Place	290	
12	Meadow Street	620	
13		620	
14		320	
15		620	
16		185	
17	Meadow Court	100	
18	New Haven Road	275	
19	High Street	240	
20		50	
21		320	
22	Spencer Street	550	
23	Cherry Street	365	
24	Stoneybrook Road Siphon	335	
25	Spencer Street	400	
26	Casper Street	510	
27	City Hill School	250	
28	Auburn Street	275	
29	Bingham Street	335	
30	Golden Hill Street	375	
31		245	
32	Woodbine Street	185	
33	Trowbridge Road	350	
34	Manners Ave	500	
35		275	
36	Russel Street	225	
37	Prospect St. Siphon	320	
38	Bowman Drive	300	
39	Gen. Patton Drive	550	
40	Auburn Street	400	
41	May Street	250	
42	North Main Street	580	
43		725	
44	Meadow Brook	175	
45		265	
46		150	
47	Harvest Lane	250	

		This Month	Year to Date
Line TV (feet)		385	
1	Gen. Patton Road	200	
2	Meadow Street	185	

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

Pump Station Inspection/Cleanings:

1	08/02/2012	Checked all 5 stations.
2	08/03/2012	Checked all 5 stations.
3	08/05/2012	Vacced and cleaned Hop Brook.
4	08/06/2012	Checked Hop Brook
5	08/10/2012	Checked Horton Hill, Hop Brook, and Inwood stations.
6	08/13/2012	Checked Platts Mill Pump Station.
7	08/17/2012	Checked all 5 stations.
8	08/24/2012	Vacced and cleaned Hop Brook.
9	08/31/2012	Checked all 5 stations.

Vac Truck Information		This Month	Remaining	YTD
Days Out in Use				
Contract		19	114	36
150				

Fuel Information	Fuel Cost	Fuel Used		Year to Date
	\$263.00	64.2	Gal	Gallons
	\$253.00	60.3	Gal	321.8 Gal
	\$250.00	57.4	Gal	Year to Fuel Date Cost
				\$1,329.00
This Months Total	\$766.00	181.81	Gallons	

Vac truck		Mileage	YTD	Engine Hours	YTD
Month Start		154484		3853.2	
Month End		155536		3904.6	107.5
Total		1052	1987	51.4	

Vac Truck Repairs:

Vendor	Repair item	PO & Cost	Vendor	Repair item	Cost

Utility Truck Fuel Informa	Fuel Cost	Fuel Used	Year to Date	Mileage	N/A
	\$132.00	30.705	Gallons	Start	
	\$120.00	29.563	Gal	End	
			Gal	Total	0
			Gai	Total Year to Date	
			Gallons	Fuel Cost	
This Months Total				\$0.00	

Highlights

- 08/01/2012 Checked level at High School station since repairs were not done yet.
- 08/08/2012 Vacced out High School Station. Checked all the manholes in the river after storm.
- 08/04/2012 Call in for high level at Hop Brook.
- 08/05/2012 Call in again for high level at Hop Brook. Replaced float switch.
- 08/06/2012 Vacced out storm drain sump in plant.
- 08/07/2012 Sealed up Middlebury flow station on Guntown Road due to odor complaints.
- 08/10/2012 Vacced and cleaned High School station for repairs. Call in to Inwood Pump Station for high level. Mapped areas for smoke testing.
- 08/11/2012 Call in for high level at Inwood Pump Station. JC came in to replace a relay.
- 08/13/2012 Vacced Primary Clairfier Skimmings. PM on vehicles.
- 08/14/2012 Safety Meeting. 2 loads of Primary Clairfier Skimmings vacced out.
- 08/15/2012 Vacced and cleaned Primary Clairfier. Call in for low level at Platts Mill Pump Station.

08/16/2012 Vacced and cleaned Primary Clairifier.
08/20/2012 Saftey Training. Vacced Primary Clairifier Skimmings.
08/22/2012 Picked up painted needed to paint pump stations.
08/29/2012 Bolted holes on all lids in the Millville area to help with I/I. Made root control list for October.
08/30/2012 Vacced Primary Clairifier Skimmings.

John Batorski commented that there also was an odor complaint that came in from Guntown Road. John's preliminary finding is that he suspects that the odor might be coming from an abandoned house next to the old metering station and will need to follow up on it.

6. Adjournment.

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **ADJOURN** the meeting at 6:48 P.M.

Attest: Catherine Aresta, Secretary/dl