

**WATER POLLUTION CONTROL AUTHORITY
SPECIAL MEETING MINUTES
JANUARY 22, 2015**

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

MEMBERS:

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

OTHERS:

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

ABSENT:

Jeff Hanson

VISITORS:

Neil Kulikauskas, Kleinfelder
Dan Gorka, Veolia Water
Attorney Alicia Perillo, Law Office of Fitzpatrick-Mariano-Santos
Kevin Zak

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **No Executive Session.**
3. **Old Business.**

A. Commission Discussion Regarding the Facilities Plan Update.

Neil Kulikauskas of Kleinfelder reported that the Facility Evaluation is on Hold right now pending the funding issues.

Jim Stewart reported that there is a scheduled meeting with DEEP next Wednesday at 10:00. An extension is possible but they want us to go to Referendum. Neil commented that we should know more after the meeting. Jim also said that we are not out of compliance.

B. Commission Discussion Regarding the North Main Siphon Repair Update.

Jim Stewart reported that Kleinfelder has provided draft drawings for the commission to review and a construction estimate of \$255,000. Jim said we have \$300,000 in the budget for this and this will give us additional funding for inspection and some engineering if need be.

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Ron Merancy asked what month this would be ready for and Neil Kulikauskas commented that DEEP regulation requires us to wait until after July 1st.

Jim said he is hoping to get comments back in the next week or so.

C. Commission Discussion / Updates Regarding the CPV Towantic Energy Power Plant with Attorney Alicia Perillo.

Attorney Alicia Perillo from the Law office of the Borough Attorney Edward Fitzpatrick reported that the law office wanted to update the commission and reported that Naugatuck has filed for an intervener status that was granted back in November. Last week was the first of several hearings where all the interveners and parties can ask questions to Towantic Representatives. The interveners didn't get the opportunity to ask any questions, it was all the siting council.

Next week, January 29th is the second hearing where the Borough will have the opportunity to ask direct questions. At this point, Attorney Alicia Perillo said the main concern of the Borough is the permit application that was voted on at the WPCA meeting on August 21st and has not yet listened to the actual minutes from that meeting but has been provided with a copy of the minutes tonight.

Attorney Alicia Perillo commented that, since she hasn't listened to the tape, she doesn't know if the presentation given on that night was sufficient or enough to make the decision to grant the permit application. We don't know the particulars about the estimates of the amount of the effluent that will be discharged and feels that further study and evaluation should be done as to what is contained in the effluent.

Attorney Alicia Perillo commented that when Towantic filed a motion to modify the previously approved 512 megawatts facility to a 785 megawatts facility. According to the motion to modify, the estimated range of water that the facility would draw from Heritage would be anywhere from 954,720 gallons and 1,025,000 gallons per day. The estimated output from the wastewater treatment plant, whether it is natural gas or oil operation would not exceed 6,480 gallons a day. The question is, where is all that water going?

Attorney Alicia Perillo commented that this raises the question of why did the maximum output of 187,000 gallons a day in 1999 drop to only 6,480 gallons a day in 2014?

Jim Stewart and Rimas Balsys commented that they recalled it being in the 30,000 max range.

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Jim Stewart commented that from what he recalls they need very clean water and in the original application most of the water usage was to regenerate the resin they use to clean the water. In the new application they were going to have the resin regeneration be done off-site and Jim also said apparently there is very little water being used in the plant.

Attorney Alicia Perillo said that Towantic didn't submit their motion to modify their application until November and they asked for the permit approval in August and said they didn't even make their submission to the siting council or finalize it until after seeking approval from the WPCA. The concern is the volume, quality and content of the effluent and the effect it will have on the operation of it or the chemistry and how it will interact with what's going in there, and said the Naugatuck River and other organization interveners like fish and game, water shed and wild life will be affected.

Jim Stewart asked if she was at a point recommending us to reconsider our decision. Ron Merancy asked Attorney Perillo if they should wait until she listens to the minutes from August 21st or if they can vote now.

Attorney Alicia Perillo responded yes, the motion could be done now and advised the commission that they have that right or the power to rescind the vote that was made in August.

Chairman Ron Merancy commented that the commission feels that they need more research or information and asked the commission if they want to vote now or later. The commission decided to vote now.

Ron Merancy also stated to Attorney Alicia Perillo that for our Board purposes we can only concentrate on the water and the sewer because there are a lot of other things out there that doesn't affect this Board.

Ron Merancy also commented that he recalled talking to Towantic Representative about the capacity and told them he wanted sampling, and also wants it be measured and metered.

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The commission voted:

VOTED: Unanimously on a motion by Pat Mallane and seconded by Rimas Balsys to **APPROVE** the following motion, Read by, WPCA Secretary Catherine Aresta.

“Motion to Rescind the Vote Taken on August 21, 2014 and Table any Action on Granting CPV Towantic’s Permit Application, Pending Further Study and Review of the Volume, Quality and Content of the Effluent from the Facility.”

VOTE: **In Favor:** 4 **Opposed:** 0 **Abstained:** 0
No Discussion
Motion Carried: 4-0-0

A visitor known as Kevin Zak stepped up to the podium.

Kevin Zak, an intervener representing the Naugatuck River Revival Group came to the podium to speak regarding the Oxford Energy Plant.

Mr. Zak commented that the next meeting is in New Britain at the siting council, it’s usually at 11:00.

Mr. Zak said the group has taken a strong stand against the plant for a lot of reasons. One of the least problems will be the pollution into the Naugatuck River and basically there is a lot of confusion on how much water they are going to be using and sending to your plant. If I understand it correctly...very little. It’s a closed system, but again there is the confusion and I don’t understand and said there is a lot of data that needs to be gathered. In general there is a lot of concern with the particulate matter that will be generated and will be coming out of the two 150 foot stacks that begin in elevation in excessive of 700 feet. From what I understand the prevailing winds will bring it down into the community and drift down the valley. It’s my understanding the particulate matter 2.5 is a very fine matter that can drift up to 30 miles and you would not know it, it can get deep in the lungs and the EPA has a serious concern about that but that might not be the only concern, it’s the general particulate matter that comes out of there. You have the Naugatuck State Forest and that’s a serious concern. Just the advancement that the Naugatuck Valley has made since 1999 with 6.4 million put into the Timu Dam Bypass to 14.4 million going into the Tiger Grant in Waterbury plus on top of that 6 and half million dollars going into the greenway construction starting in a year or two, then you have the Naugatuck Greenway, Ansonia Greenway and so on and so forth. Just that image of a massive power plant putting a big brown spot in the middle of this is a serious concern so it’s an overall perception and a quality of life issue.

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4. New Business.

A. Commission Discussion / Possible Approval Regarding a Special Permit Application to Remodel an Existing Building making 3 Apartments on 2nd Floor and 3 Apartments on 3rd Floor for Property Located at 100 Church Street with Contractor Rodney Gillette and Engineer Scott Meyers.

Special Permit Application to be Tabled to the Next Regular Scheduled WPCA Meeting on February 19, 2015.

5. Correspondence.

A. Correspondence from Veolia Dated December 8, 2014 Regarding Out of Scope Projects Proposals from Wright Pierce Engineers to Comply with the New NPDES Permit CT 01000641 Requirements.

Jim Stewart commented that as part of the NPDES Permit we are required to review the effluent as well as the wastewater sludge screening, monitoring and reporting protocol. Veolia provided a proposal from Wright Pierce to do that because it's not in the scope of the contract at this point. The total of this proposal for this phase of the work is \$8,337.50 which included a 15% markup. Jim said he believes that a 15% markup is fair.

B. Correspondence from ARI Dated December 11, 2014 Regarding Veolia December 8, 2014 and December 29, 2014 Letter.

Jim Stewart commented that this is Memorandum from ARI Regarding the proposals submitted by Veolia as a requirement for the NPDES Permit for the preparation of Sludge Screening, Monitoring and Reporting Protocol which was prepared by Wright Pierce.

John Batorski explained that the NPDES Permit requires an Ash Lagoon Monitoring Plan and the first phase of the permit requires monitoring of the effluent; in addition, it also requires us to certify that they are in compliance with standards for operating the Lagoon. Veolia contacted Wright Pierce to perform an independent review and take a look at their sampling plan and say they are or not operating it within the state statues.

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John Batorksi also explained that the second phase which is the sludge screening, monitoring and reporting protocol. The new permit requires 11 additional parameters to be monitored for sludge and it comes with a cost and requires Veolia to state in writing that they are conforming to the terms of the permit. While Veolia believes they are conforming with the permit and never had a problem with it in the past, they can't certify it themselves and that's when Veolia decided to contact Wright Pierce to have them review their plans and reports and if they are conforming with it, write a letter so they can submit it to Jim and to the state and be done with it.

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **APPROVE** for **Veolia to Proceed with the Out of Scope Project Proposal for \$8,337.50 which Includes a 15% markup for the NPDES Permit.**

VOTE: **In Favor: 4** **Opposed: 0** **Abstained: 0**
 No Discussion
 Motion Carried: 4-0-0

C. Correspondence from Veolia Dated December 10, 2014 Request for Preliminary Plan for the SSI Upgrades.

Jim Stewart commented that this is a request we made for Veolia many months ago to come up with a proposal to complete the sewage sludge incinerator emissions upgrade to see what they would do if we were to hire Veolia directly rather than having it done through our engineer and our contractor.

This is their response. They are looking at three different scenarios. One is what Kleinfelder proposed and then two additional scenarios with different methods of treatments.

Jim commented that he needs to sit down with ARI and Veolia to discuss it further. Kleinfelder is also reviewing this memo and discussing it with Wright Pierce to further understand their proposal so a decision can be made going forward.

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Dan Gorka from Veolia explained that if you look at the lease agreement verses the wastewater asset management agreement, what we have to turn over to the Borough at the end of the contract for asset's on the incinerator side generally we owe 1 year left of useful life so that duct work could probably be stretched out for 1 more year and to add to what Jim was saying, by the time the upgrade is complete your investing whatever money your ultimately invest for that upgrade and there is five years left in the contract, do you want to continue to run the incinerator longer, well then while this is down and being upgraded you might as well as go ahead and attack some of these things with more of a 20 year projection.

D. Correspondence from Chemtura Dated November 24, 2014 Regarding the Annual Monitoring Report for the Naugatuck Water Pollution Facility Effluent-Permit SP0000065.

No Discussion.

E. Correspondence from Chemtura Dated December 19, 2014 Regarding the Annual Monitoring Report for the Naugatuck Water Pollution Facility Effluent-Permit SP0000065.

No Discussion.

F. Correspondence from ARI Dated November 17, 2014 Regarding Monthly Meeting to Discuss Naugatuck Issues.

No Discussion.

G. Correspondence from ARI Dated November 17, 2014 Regarding Naugatuck NPDES Permit Compliance Schedule.

No Discussion.

H. Correspondence From Jim Stewart to Robert Klee Dated January 5, 2015 Regarding the Borough of Naugatuck WWTP (Facility ID: 088-001) NPDES Permit. (Permit ID: CT0100641)

Jim explained that this is a letter sent to the commissioner requesting another meeting which is on scheduled for Wednesday at 10:00.

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6. Review / Acceptance of Regular Meeting Minutes for November 20, 2014.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the Regular Meeting Minutes for November 20, 2014 with 2 Corrections.

VOTE: **In Favor: 4** **Opposed: 0** **Abstained: 1**
Motion Carried: 4-0-1

7. Following is the WWTF Monthly Operations Summary Report.

- A. **Monthly Operations for November 2014.**
- B. **Monthly Operations for December 2014.**

**Borough of Naugatuck
Monthly WPCF Report November 2014**

This report summarizes the activities at the Borough POTW for November 2014:

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.	-	325
Effluent Avg.	30	5
Removal Efficiency	85%	98.7%
Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	175
Eff Avg (Nov 1 - May 31)	25	
Eff Avg (June - Oct 31)	15	4
Removal Efficiency	85%	98%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
Nov Flow Avg. (MGD)	4.3	0.431	0.036	N/A
Sludge Liquid Total (MGal)				4209.1
Sludge Cake Total (Wet Tons)				4666
Septage	49,250	55,000	166,250	570,450
Discharge Permit Exceedance: None				

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	0	12
Unconfirmed Odor Complaints	1	2

1. Compliance & Regulatory Issues

a. There was one unconfirmed Odor Complaint in November.

2. Personnel

a. No report.

3. Health & Safety

a. Monthly safety meetings were held.

b. SPCC training took place Nov 11, 2014.

4. Operational Information

a. The incinerator was briefly shutdown in November to repair a sludge storage silo feed conveyor.

b. The #3 sludge storage tank was drained and cleaned. Minor weld repairs were required for the rake arms.

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Monthly WPCF Report November 2014

5. Collections

- a. Bingham and Auburn, Lines Hill and Rte. 68, and Carroll Ct are manholes that the collections crew identified that require repairs. The repairs have been scheduled.

6. Maintenance

- a. There was an issue with one of the 6 silo feed conveyors. A shutdown on Nov 10 revealed a broken flange mount on the #1 screw.
- b. Installation of a spare backup air compressor is complete.
- c. The valve actuator for the DO valve control #6 was replaced.
- d. The #3 storage tank mixer required some welding as some of the welds had developed cracks.

7. Capital Projects

- a. No report.

**Borough of Naugatuck
Monthly WPCF Report December 2014**

This report summarizes the activities at the Borough POTW for December 2014:

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.	-	180
Effluent Avg.	30	5
Removal Efficiency	85%	97%
Plant Process Data*		
Carbonaceous BOD		
Influent Avg.	-	105
Eff Avg(Nov 1 – May 31)	25	
Eff Avg(June – Oct 31)	15	4
Removal Efficiency	85%	96%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
Dec Flow Avg. (MGD)	6.2	0.736	0.050	N/A
Sludge Liquid Total (MGal)				4692.7
Sludge Cake Total (Wet Tons)				5048.2
Septage Total (MGal)	92,500	26,000	169,750	516,050
Discharge Permit Exceedance: None				

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	0	12
Unconfirmed Odor Complaints	0	2

1. Compliance & Regulatory Issues

a. There were no odor complaints in December.

2. Personnel

a. No report.

3. Health & Safety

a. Monthly safety meetings were held.

b. The Collection crew will have an audiometric survey performed in January 2015.

c. Annual respiratory and audiometric testing has been scheduled for 2015.

4. Operational Information

a. Thomas Loto from Kleinfelder requested Veolia submit pricing for Collection system CCTV, manhole evaluations, smoke testing, dye testing and building inspections.

2 b. Repairs were completed on shear pin hubs for the secondary clarifiers.

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Monthly WPCF Report December 2014

- c. Kathy Luvisi of ARI performed her annual plant/collection system inspection on Dec. 22, 2014.

5. Collections

- a. The grease trap for a local Borough owned restaurant was cleaned as an out of scope cleaning.
- b. The Collections staff assisted Borough personnel with a storm sewer cleaning on Dec17.
- c. The invoice from Metro North for \$15,721.20, dated 11/26/14 was received on Dec 29, 2014. An invoice will be prepared.
- d. A call for service for the Lounsbury sewer was received. That single lateral serves multiple homes and is not on a sewer map. This has been an ongoing issue. Staff responded to this out of scope call and jetted the lateral. Roots are the major issue.

6. Maintenance

- a. The main coupling for the 53 ft. conveyor that feeds the sludge to the thermal dryer broke on Dec 15. Repairs were completed.
- b. One of the chopper pumps for the sludge storage tanks is showing signs of wear. These pumps operate at ~400 gpm, 24/7 recirculating the liquid sludge. Repairs will be scheduled.
- c. The North J Spin will be sent out for repair as the Roto Diff failed. The hydraulic power pack will also be rebuilt at that time.

7. Capital Projects

- a. No report.

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8. Adjournment.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ADJOURN** the meeting at 7:27 P.M.

Attest: Catherine Aresta, Secretary/dl