

Received 11/27/19@11:40AM
Cruthy Cannella, ATC

MEMBERS OF THE WPCA THAT ARE UNABLE TO ATTEND THIS MEETING, PLEASE CALL EITHER DIAZ, (860) 644-2511, EXT. 243, ON OR BEFORE 4:30 P.M. ON THE DAY OF THE MEETING

**WATER POLLUTION CONTROL AUTHORITY
TOWN OF SOUTH WINDSOR**

REGULAR MEETING
SPRENKEL ROOM

REVISED AGENDA Tuesday, December 3, 2019
7:00 P.M.

A. Roll Call

B. Acceptance of Minutes of Previous Meetings

1. November 6, 2019, Regular Meeting

C. New Business

1. Election of Officers
2. 444 Clark Street (Approval to Connect)
3. 240 Ellington Road Distribution Center (Approval to Connect)
4. WPCA 2020 Meetings Dates (Review and Approve)
5. WPCF Outfall Stabilization Project Allocations of Funds (Approval)

D. Communications and Reports

1. Superintendent Report
2. Carla's Pasta Update

E. Public Participation (Items not on the agenda)

F. Bills, Change Orders, Disbursements

1. Refund Request (Approval)

G. Unfinished Business

H. Executive Session

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REGULAR MEETING
DECEMBER 3, 2019 AT 7:00 PM

A. Roll Call

Members Present: Richard Aries, Erik Dabrowski (7:05 pm), Carol Fletterick, Toby Lewis, Ashwatha Narayana, Thomas Ruby, and Stephen Wagner

Members Absent:

Alternates Present: Vicki Paliulis (7:05 pm)

Alternates Absent: Anitha Elango

Staff Present: Tony Manfre, Superintendent of Pollution Control
Ether A. Diaz, Recording Secretary

Others: Nancy Jacques, Applicant
John J. Mills IV, P.E.- Design Professionals, Inc.

Chairman Richard Aries called the meeting to order at 7:00 p.m. The following actions were taken during the December 3, 2019, Regular Meeting of the Water Pollution Control Authority (WPCA).

B. Acceptance of Minutes of Previous Meetings

1. November 6, 2019, Regular Meeting

The minutes were corrected as follows:

On page 4 "Ellington Road Sewer Extension Design" change "***Scannell, Developer***" to "Mr. Manfre reported that the ***developer, Scannell***, is developing more properties in the area that will need sewer service."

On page 5, Item 3 "Virtual Net Metering Electrical Credits", the sentence reads as follows "Mr. Wagner explained that he will ask Lodestar to change how the NorCap South credits are allocated..."; Mr. Wagner ask to change the language to "Mr. Wagner explained that he will ask Lodestar ***to address this situation by changing*** how the NorCap South credits are allocated among the various accounts."

Motion to accept the minutes of the November 6, 2019, regular meeting as amended with administrative corrections.

The motion was made by Mr. Stephen Wagner and seconded by Mr. Thomas Ruby. Mr. Wagner made minor corrections to the minutes. The motion carried unanimously.

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C. New Business

1. Election of Officers

Motion to nominate Mr. Thomas Ruby as Chairman of the WPCA.

The motion was made by Mr. Richard Aries and seconded by Mr. Stephen Wagner
The motion carried unanimously and Mr. Thomas Ruby was declared Chairman of the WPCA.

Motion to nominate Mr. Stephen Wagner as Vice Chairman of the WPCA.

The motion was made by Mr. Richard Aries and seconded by
Ms. Carol Fletterick.

Motion to nominate Mr. Ashwatha Narayana as Vice Chairman of the WPCA.

The motion was made by Mr. Toby Lewis and seconded by Mr. Richard Aries.

Upon a Roll Call vote in favor of nominating Mr. Wagner as Vice Chairman of the WPCA, the ayes were as follows: Richard Aries, Carol Fletterick, Thomas Ruby, and Stephen Wagner.

All in favor of nominating Mr. Narayana as Vice Chairman of the WPCA, the ayes were as follows: Erik Dabrowski, Toby Lewis, and Ashwatha Narayana.

Mr. Stephen Wagner was declared Vice Chairman of the WPCA. The motion passed with 4 ayes.

Motion was made to nominate Ms. Carol Fletterick as Secretary of the WPCA.

The motion was made by Mr. Richard Aries and seconded by Mr. Stephen Wagner.

Ms. Carol Fletterick stepped down.

Motion was made to nominate Mr. Ashwatha Narayana as Secretary of the WPCA.

The motion was made by Mr. Toby Lewis and seconded by Mr. Erik Dabrowski.
The motion carried unanimously and Mr. Ashwatha Narayana was declared Secretary of the WPCA.

2. 444 Clark Street (Approval to Connect)

Ms. Nancy Jacques, property owner of 444 Clark Street was in attendance this evening.
Mr. Tony Manfre read his Memo dated December 3, 2019 for the record (see Exhibit A).

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Lot 2 is vacant, however, a lateral stub is provided indicating that future development was anticipated, explained Mr. Manfre. An application was submitted requesting a formal letter of approval for a residential sewer connection on lot 2, hence, plans were not submitted. Ms. Jacques explained that the Planning and Zoning required approval from the WPCA, however, many years ago it was not a requirement to go in front of the WPCA to obtain their approval for connecting to the town's sanitary sewer line. Currently Lot 1 is connected to the sewer, however, she's in the process of selling lot 2 and therefore was seeking prior approval from the Authority to connect to the sanitary sewer system. Chairman Thomas Ruby recommended to Mr. Manfre writing a letter to the applicant stating that sufficient capacity is available in the Town's sanitary sewer line to accommodate flows from a proposed residential house located at 444 Clark Street. The property owner or their representative have to submit an application with a set of plans to the WPCA for final approval.

3. 240 Ellington Road Distribution Center (Conceptual Approval to Connect)

Mr. John Mill, PE from Design Professionals presented the application in support of the proposed 180,000 sq. ft. warehouse distribution center at 240 Ellington Road. He explained that the developer has extended the sewer from Chapel Road to serve 359 and 360 Ellington Road per the Town's design. At that time, the plan was to put in a town pump station for further development of hotels and other major developments. However, that has changed, and only warehouses are going to be developed in this area. Therefore, Mr. Mills was seeking a conceptual approval to connect into the town's force main when it is extended to serve the property at 240 Ellington Road.

The WPCA Consultant Engineers, Wright-Pierce, are currently designing a force main for this section to serve properties on Ellington Road. Each property is going to have its own private pump station. It has yet to be determined how this project is going to be funded. Mr. Manfre is working with DECD to access grant money that is available to be used for these types of projects. In dealing with Design Professionals Inc., the private developer, Scannell is looking to do this project in early spring. However, the Town would not be able to have the grant money available by that time. If the developer does not want to wait until the Town gets the grant money, they can propose to install the force main and then have the Town take ownership similar to the Coca Cola project, said Mr. Manfre. The other option would be to take the grant money and Scannell will have to wait to build the building and develop the area when the grant money is available.

Chairman Ruby explained that it is his recollection when discussing the installation of the force main that it was a condition to have no expenditure of town funds. That is correct, responded Mr. Manfre. Chairman Ruby asked if this project continues to be no expenditure of town funds. Yes, that is correct, responded Mr. Manfre. Was there any reason we should deviate from that, asked Chairman Ruby. No, responded Mr. Manfre.

Chairman Ruby asked if the applicant is ready to build a force main and connect at this time for this property. Mr. Mills responded that he has discussed the two options that were presented tonight with Mr. Manfre. If the grant funds are available the developer

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can wait until the funds become available. However, if the need arises based on the approvals obtained from the Planning and Zoning Commission and Inland Wetlands and for the tenants that this facility is being developed for, the developer may consider constructing the force main.

Mr. Tony Manfre informed to the Authority that this application is for conceptual approval to connect to the force main that is currently in the design phase. Mr. Manfre explained that the developer has two options. If the developer wants to begin the project in the spring time, they would need to build the force main at their cost and then have the town take ownership. The other option would be for the developer to wait until grant funds become available and the force main is built.

Mr. Ashwatha Narayana asked if there's a Town pump station designed. Mr. Manfre responded that the pump station is no longer an option for this project. He explained that a town pump station was going to be designed based on the projected flow for this area from two hotels, three or four restaurants and a number of other facilities. However, all they are building are warehouse distribution facilities.

Motion to give conceptual approval for the property at 240 Ellington Road.

The motion was made by Mr. Toby Lewis seconded by Mr. Erik Dabrowski.

Mr. Stephen Wagner asked what the Authority was conceptually approving. Mr. Aries explained that it is a conceptual approval of the plans as presented.

In making reference to previous WPCA minutes regarding the fact that since there's no sewer in this area, the Authority needs to hold a public hearing for the development. Mr. Mills asked if the public hearing can be held in January 2020. Mr. Manfre responded that the Authority has previously done a public hearing for the sewer on the road. Mr. Lewis amended the motion as follows:

Motion was made for the conceptual approval of a proposed force main connection for property located at 240 Ellington Road based on what's been presented.

The motion was made by Mr. Toby Lewis and seconded by Mr. Erik Dabrowski.
The motion carried unanimously.

Mr. John Mills asked what the concept of a conceptual approval is. Mr. Manfre explained that the intent is to inform the applicant that the Authority is agreeable to having developed that area based on what's been presented. However, the applicant has to come back to the WPCA to obtain final approval.

4. WPCA 2020 Meetings Dates (Review and Approve)

With the Agenda, a copy of the WPCA 2020 meeting calendar was included for review and approval (see Exhibit B). Mr. Tony Manfre explained that there's preliminary

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discussion on the possibility of having all boards and commissions meetings in the Council Chambers so that they can be televised. The Authority will take any requests when received under advisement, said Chairman Ruby.

Motion was made to approve the WPCA 2020 meetings calendar as presented.

The motion was made by Mr. Toby Lewis and seconded by Mr. Richard Aries. The motion carried unanimously.

5. WPCF Outfall Stabilization Project Allocations of Funds (Approval)

Mr. Tony Manfre distributed a Memo to the WPCA regarding the WPCF Outfall Stabilization Project (see Exhibit C). Mr. Manfre explained that the Town solicited bid proposals for this project; the project is to re-arm the treatment plant's effluent outfall structure which is located on the bank of the Connecticut River at the end of Vibert Road. Dayton Construction was awarded the Project in the amount of \$122,500 (the project bid was for \$107,000 with a bid alternate of cement grouting the rip rap in the amount of \$15,500.) Mr. Manfre explained that grouting the rip rap is for securing the stone in place and ensuring that it would not be washed away by the river current. Mr. Manfre recommended appropriating an additional \$20,000 from the Replacement Reserve to this project for the grouting of the rip rap and for contingencies. Any unused funds will be placed back into the Replacement Reserve after the project is closed out, said Mr. Manfre.

Why is it costing \$20,000 to put cement between rocks, asked Mr. Erik Dabrowski. Mr. Manfre responded that it was a bid alternate to give the option of securing the stone in place, and the lowest bid was in the amount of \$15,500). Also, this was the recommended course of action from the engineer and the contractor. Ms. Vicki Paliulis asked if the bid alternate is considered a change order to the scope of work of the original bid project. No, responded Mr. Manfre and explained that the Town solicited bid proposals to re-arm the treatment plant's effluent outfall structure with a bid alternate of grouting the rip rap. Mr. Ashwatha Narayana expressed that Mr. Dabrowski raised a good point regarding the scope of work. He explained that the WPCA has not seen the design plans for this project or approved the scope of work. Mr. Manfre responded that the WPCF Outfall Stabilization Project is a capital project that funds has been approved by the WPCA; the project is in the budget. The bid solicitations and bid award is administered by Town staff. Mr. Dabrowski asked if this is Dayton Construction best price offer. In response, Mr. Stephen Wagner explained that the way to obtain the best price offer is by soliciting bid proposals. Therefore, he believe that this is a reliable way of getting a reasonable price for a project.

Motion was made to approve the WPCA Outfall Stabilization Project as described.

The motion was made by Mr. Richard Aries and seconded by Mr. Stephen Wagner.

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Mr. Ashwatha Narayana expressed concern on voting on this project without having the opportunity to review the scope of work and specifications for this project; without knowing if there is a different specification for grouting. Mr. Erik Dabrowski expressed that he'd like to know what the Authority is paying for. He'd like to know if they are just pouring some concrete for securing the stone in place or if they are just taking \$20,000 of the town's tax payer's money. Chairman Thomas Ruby asked Mr. Manfre if he had a copy of the scope and specifications for review. Mr. Manfre explained that this information is available and he asked the Authority to allow him some time to go to his office and obtain that information.

Motion was made to table this matter to the end of the meeting.

The motion was made by Mr. Stephen Wagner and seconded by Mr. Richard Aries. The motion passed unanimously.

Motion was made to take Item F out of order.

The motion was made by Mr. Erik Dabrowski and seconded by Mr. Toby Lewis.
The motion passed unanimously.

F. Bills, Change Orders, Disbursements

1. Refund Request (Approval)

Included with the Agenda was a Memo from Ms. Jennifer Hilinski-Shirley, Collector of Revenue requesting approval of 2 refunds totaling \$-74.70 (see Exhibit D).

Motion was made to approve two refunds as noted on the attached Memo (see Exhibit D)

The motion was made Mr. Toby Lewis, the motion was seconded by Mr. Erik Dabrowski.

The motion carried unanimously.

Motion was made to temporarily take a recess at 8:00 p.m.

The motion was made by Mr. Richard Aries and seconded by Mr. Ashwatha Narayana.
The motion carried unanimously.

Motion was made to call the meeting to order at 8:15 p.m.

The motion was made by Mr. Richard Aries and seconded by Mr. Ashwatha Narayana.
The motion carried unanimously.

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5. WPCF Outfall Stabilization Project Allocations of Funds (Approval)

Mr. Tony Manfre apologized as he was unable access and obtain the specifications for this project to provide it to the Authority. Mr. Stephen Wagner asked him to just briefly describe what's involved in this project. Mr. Manfre explained that the project is to re-armor the effluent outfall structure which is located on the bank of the Connecticut River and do the cement grouting the rip rap for securing the stone in place and ensuring that it would not be wash away by the river current. Mr. Erick Dabrowski expressed that it seems like a lot of money for just pouring concrete. Mr. Aries responded that it's just not pouring cement, it entails getting to the location as this is on the bank of the CT River. Chairman Ruby explained that a motion was made to approve allocations of funds for the WPCA Outfall Stabilization Project. However, this motion was previously tabled.

Motion was made to take out the table said motion.

The motion was made by Mr. Stephen Wagner and seconded by Mr. Toby Lewis.
The motion carried unanimously

Upon a roll call vote, the ayes were as follows: Mr. Richard Aries, Carol Fletterick, Stephen Wagner and Chairman Thomas Ruby; the following members opposed: Erik Dabrowski, Toby Lewis and Ashwatha Narayana. The motion passed 4 ayes, 3 nays.

D. Communications and Reports

1. Superintendent Report

Included with the Agenda was a monthly report from Mr. Tony Manfre (see Exhibit E). Mr. Manfre also gave an update on the Collector of Revenue report and explained that they filed the residential liens this date with the Town Clerk. Also, twenty two payment plans were created for the residential accounts. The 2019 commercial accounts collection rate is 99.8% and the 2020 residential collection rate is 92.3%.

2. Carla's Pasta Update

Mr. Tony Manfre distributed a copy of Carla's Pasta monthly progress report submitted by Fuss & O'Neill (see Exhibit F) and a copy of the "Monitoring Report" which is a spreadsheet that Mr. Manfre put together. Mr. Manfre explained that this month, Carla's Pasta is in compliance with the town's discharge regulations for Total Suspended Solids (TSS) and Biochemical Oxygen Demand (BOD). Also, Carla's Pasta new expansion is anticipated to be in operation this month (December 2019). They are anticipating the installation of a pH meter for the expansion prior to the December sampling.

Ms. Vicki Paliulis explained that in reviewing Carla's Pasta reports, each month they've reported that their new expansion was anticipated to be in operation the following month. For example, in September they reported that their new expansion was anticipated to be in operation in October. The October report refers to their new expansion be in operation

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in November and now is in December. They keep saying it is going to happen in a month on each report, said Ms. Paliulis. Also, there has been some activity to change the clean in place "cip" to reduce the pH levels and they've reported that they are done with that process. However, they have not shown any improvements with the pH levels. Also, based on their report, it seems that they are expecting to continue to have an extension. Mr. Manfre responded that their agreement with the Authority ends in December 31, 2019.

Mr. Erik Dabrowski responded to Ms. Paliulis comment on making it seem like they are purposely pushing off their extension. He expressed that he does not think it's done on purpose. Businesses operate on a principle of making money and they are going to be losing money by pushing off their extension. There's a lot of factors that they are figuring out as they go along; they are doing the things as best as they can as they go along, said Mr. Dabrowski. Ms. Paliulis agreed, however, she responded that when it comes to pollution and law an initial plan needs to be in place. As she said from the beginning, Carla's Pasta jumped into a huge opportunity to expand their business without looking at the environmental impacts. They went ahead and created enormous issues for themselves and they didn't have a plan in place, said Ms. Paliulis.

Mr. Ashwatha Narayana asked how Carla's Pasta excessive levels are impacting the treatment plant. Mr. Manfre responded that initially the main indicator of this issue was with the aeration tanks. They tracked that back to Carla's Pasta and that's when they started taking their readings and samples and obtained a lot of data to back up what was seen at the treatment plant whereby their levels of BOD and TSS were very high. It was not a detrimental issue, said Mr. Manfre, however, they did see an impact with the energy bills for the treatment plant. Ms. Paliulis added that manpower and town resources was used as a result of this issue. That has calmed down over the last several months, said Mr. Dabrowski. Yes, responded Mr. Manfre and explained that there are still some issues that they see at the treatment plant, however, he have an open line of communication with Carla's Pasta and their contacts in trying to correlate what these issues are.

Mr. Stephen Wagner explained that in the schedule of sewer rates there's surcharge rates for excessive solids. If Carla's Pasta goes outside of the range, why just not charge the appropriate rates. Chairman Ruby responded that the agreement expires on December 31, 2019 and at the end of the agreement if they have excessive solids they'll be charged the full rates following the schedule of rates. Chairman Ruby explained that up until this point Carla's Pasta has been self-reporting and the fees that have been assessed are based on their self-reporting. He asked Mr. Manfre how the fees would be calculated once the agreement comes to an end this month. They are going to continue to do the sampling and provide the reports, responded Mr. Manfre. Mr. Richard Aries expressed that the agreement is coming to the end, so the ability to require reporting may be coming to an end too. Chairman Ruby responded that if that's the case, the termination of the agreement may mean they no longer have to report, a mechanism needs to be in place for how they are going to be assessed. Mr. Ruby asked Mr. Manfre to have a complete methodology of how they are going address the fees in the absence of the agreement for next meeting.

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E. Public Participation (Items not on the agenda)

None

G. Unfinished Business

None

H. Executive Session

None

I. Adjournment

Motion was made to adjourn the meeting at 8:20 p.m.

The motion was made by Mr. Toby Lewis and seconded by Mr. Erik Dabrowski. The motion carried unanimously.

Respectfully Submitted,

Ether A. Diaz
Recording Secretary



SOUTH WINDSOR POLLUTION CONTROL DEPARTMENT

MEMO

To: Water Pollution Control Authority
From: Tony Manfre, Superintendent of Pollution Control
cc:
Date: December 3, 2019
Re: 444 Clark Street

In 1993 a two lot residential subdivision was approved by Planning and Zoning (#93-33P). As part of the approval, WPCA approval was necessary for connection to the sanitary sewer. Lot 1 has since been developed and connected while Lot 2 remains vacant. The Town does not have any record of WPCA approval for Lot 2, though a sewer lateral is provided to the property indicating that a future connection to the public sewer was anticipated.

Lot 2 is being sold and both the buyer and seller would like the WPCA to formally grant approval for a residential sewer connection on the property.


X

Tony Manfre
Superintendent of Pollution Control

Memorandum

Exhibit B

TO: Water Pollution Control Authority
Lori Trahan, Town Clerk

FROM:  Ether A. Diaz, WPCA Recording Secretary

RE: WPCA Meetings Schedule for Calendar Year 2020

DATE: November 20, 2019

The following schedule lists the regular meetings of the Water Pollution Control Authority for calendar year 2020. The April 7th meeting will be held at the South Windsor Treatment Plant, 1 Vibert Road. All other meetings will be held in the Town Hall meeting rooms (Sprenkel Room & Madden Room) at 7:00 p.m.

January 7, Madden Room
February 4, Madden Room
March 3, Madden Room
April 7, Treatment Plant, 1 Vibert Road
May 5, Madden Room
June 2, Madden Room
July - no meeting
August - no meeting
September 1, Madden Room
October 6, Madden Room
Wednesday, November 4, Sprenkel Room
December 1, Madden Room



SOUTH WINDSOR POLLUTION CONTROL DEPARTMENT

MEMO

To: Water Pollution Control Authority
From: Tony Manfre, Superintendent of Pollution Control
cc: Patricia Perry, Director of Finance
Date: December 3, 2019
Re: WPCF Outfall Stabilization Project

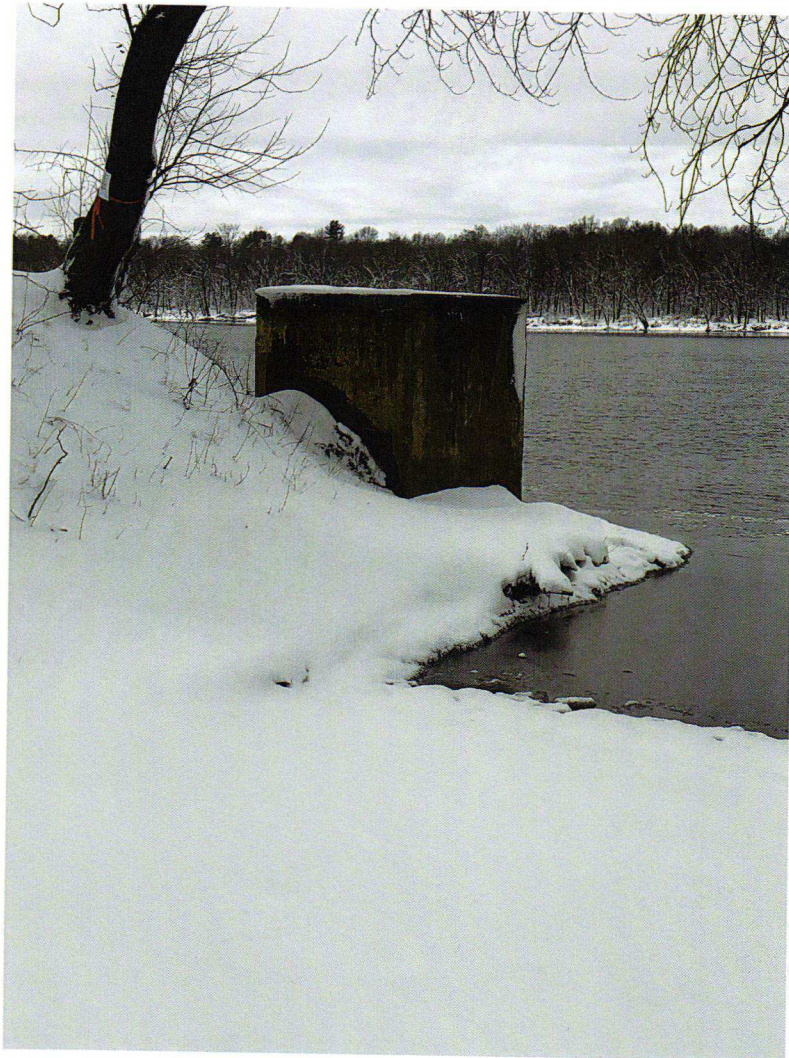
We have recently executed an agreement with Dayton Construction to re-arm the treatment plant's effluent outfall structure which is located on the bank of the Connecticut River at the end of Vibert Road. The project bid was for \$107,000 with a bid alternate of cement grouting the rip rap in the amount of \$15,500.

Grouting the rip rap was a bid alternate to give us the option of securing the stone in place and ensuring that it would not be washed away by the river current. Both the contractor and engineer agree that this is worth considering.

I am recommending appropriating an additional \$20,000 from the Replacement Reserve to this project for the grouting of the rip rap and for contingencies. Any unused funds will be placed back into the Replacement Reserve after the project is closed out.



Tony Manfre
Superintendent of Pollution Control





Town of South Windsor

1540 SULLIVAN AVENUE • SOUTH WINDSOR, CT 06074
TELEPHONE (860) 644-2511

TO: MICHAEL MANISCALCO, TOWN MANAGER
ANTHONY MANFRE, SUPERINTENDENT OF POLLUTION CONTROL
MEMBERS OF THE WPCA
FROM: JENNIFER R. HILINSKI-SHIRLEY, CCMC COLLECTOR OF REVENUE
SUBJECT: REFUND BATCH #4 DECEMBER 03, 2019 AGENDA
DATE: November 7, 2019
CC: PATRICIA PERRY, DIRECTOR OF FINANCE

I respectfully request approval of 2 refunds totaling \$-74.70 as noted on the attached report. All refund requests received by 10:00 am, November 7, 2019 are included in subject batch.

2020-06-0040554

HUBER VERA &

200 BROOK STREET

Sec. 12-129 Refund of Excess Payments.

\$ (62.25)

\$ (74.70)

Drafted By: Tabatha L Chasse

Approved By: Jennifer Hilinski-Shirley, CCMC



Date: November 07, 2019

Date: Nov. 7, 2019

WPCA COMMUNICATIONS AND REPORTS

December 3, 2019

The following is a monthly report from the Superintendent of Pollution Control as an appendix to the Water Pollution Control Authority meeting.

General Information

On-Call Contractor Services Request for Qualifications

- Request for Qualifications were advertised.
- Statements of Qualifications were accepted until December 2.

Pump Station Asset Evaluation and Management Plan - Wright Pierce

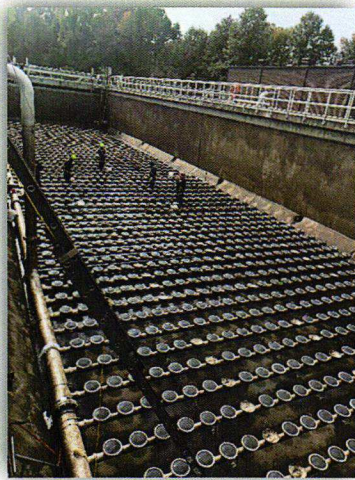
- There was a brief discussion at the last WPCA meeting in regards to inviting Wright Pierce back to answer questions about their asset evaluation report that was submitted in May 2019. The Authority asked that I reach out to the project manager, Dennis Dievert, about this matter. The following is his emailed response:

I am always available to come and meet with you and the WPCA to answer any questions you might have and would not charge you for my time. I would like to point out that during the presentation we did, these questions came up and were already answered. Valves, pumps and other items can certainly be rebuilt. However, we do not know at this time when the station will be upgraded. Will it be next year, or in 15 years? When the time has come for a specific station, the designer will evaluate the rehab versus replacement options. Sometimes, replacement is the only option because the equipment is so old that parts are no longer available or the vendor has gone out of business. We have found that rebuilding equipment can cost up to 80% or more of the cost to just replace. To remain conservative, replacement costs were carried in the asset management plan at the planning/budgeting level. In addition, rebuilds may only provide another 10-years of operation while new can provide 20 to 30 years of operation. Finally, anything with a motor was simply not made to be efficient 30 years ago. Today, premium efficient motors can be as high as 98% efficient, compare to 80% or less 30 years ago resulting significant power energy savings.

Treatment Plant and Pump Stations

Aeration Basin

- 1,300 diffuser membranes were replaced in Aeration Tank 1. This is a manual process that requires the involvement of the entire operations staff. The membranes are a rubberized material with perforated holes that allow air to pass through providing oxygen to the microorganisms. The membranes typically last 7-10 years.

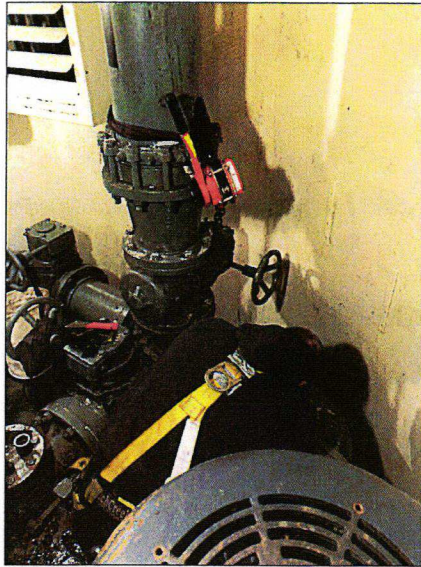


Pleasant Valley Pump Station

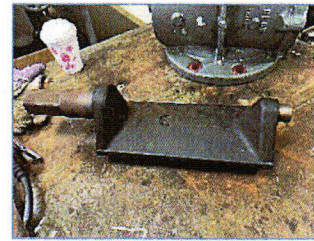
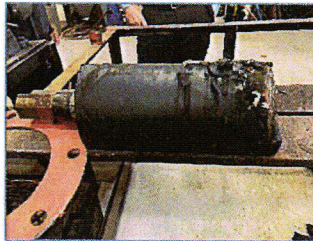
- Pump 3 has been out of service for several months due to “ragging” around the check valve and the inability to fully close the discharge plug valve.
- Replacement parts for the plug valve were unavailable and a new valve was required.
- To replace the valve a by-pass of the pump station was required.
- Once the plug valve was replaced we were able to make the necessary repairs to the check valve and put Pump 3 back in service.



New valve in place.



WPC operator installing new valve.



The rubber plug was scored and damaged. The plug sits inside the valve body and rotates to create a seal or allow the liquid to pass. The middle picture is the plug that was removed. The last picture is a new plug.

Capital Improvement Projects Update

Quality Based Selection for Engineering Services – Pump Station Upgrades

- Request for Qualifications were advertised.
- Statements of Qualifications were accepted until December 2.

Sullivan Avenue Siphon

- We continue to hold \$24,000 until we are satisfied with the top soil and seeding of the construction area.

Ellington Road Sewer Extension Design

- The 90% deliverables have been received and are under review.

Miller Road Sewer Extension

Nothing New to Report

- *Awaiting final quantities from the contractor;*
- *Once final quantities are determined caveats can be places on each property and project can be closed out*

Griffin Road Sewer Repair/Avery Street Manhole Replacement

- VMS Construction is expected to begin work the week of Dec 2.
- The project is expected to take 5 days.

Treatment Outfall Stabilization Project

- Dayton Construction was awarded the project (\$122,500 bid).
- Notice to proceed was issued November 25.
- Project is expected to take two weeks to complete.

Collection of Delinquent Accounts

TaxServ Collection Report

	Gross Collection	Net Collection	Current Outstanding Balance
October	\$16,281.78	\$14,211.90	\$410,750.54

X 

Tony Manfre
Superintendent of Pollution Control



FUSS & O'NEILL

December 3, 2019

Mr. Tony Manfre
Superintendent of Pollution Control
Town of South Windsor WPCA
1540 Sullivan Avenue
South Windsor, CT 06074

RE: Carla's Pasta
Monthly Progress Report – November 2019

Dear Mr. Manfre:

On behalf of Carla's Pasta of South Windsor, Connecticut, we are providing this progress report for November 2019 summarizing the activities performed at the 50 Talbot Lane, South Windsor, Connecticut facility. This progress report addresses the requirements of the Settlement Agreement, specifically Conditions 4, 5, 6 and 8.

Status of Current Progress to Reduce Discharge of Excess Pollutants

Current Project Status: The following is an update of the status of the facility expansion and the evaluations being performed by Carla's Pasta:

- The preliminary facility expansion operations were initiated in July 2019. It is anticipated that further reduction in the constituent loading will occur when Carla's begins production in the expanded building and becomes fully operational over the next three to four months. Production in the expansion is anticipated to commence in December 2019. Note that there was no wastewater discharge from the expansion in November 2019. Also note that the production was originally anticipated to start in September 2019 as stated in the August 2019 progress report, but was delayed due to final equipment adjustments for the expansion.
- Carla's Pasta continues to evaluate their operations that discharge wastewater to the wastewater collection system. The objective of this evaluation, which was initiated in December 2018, is to better understand the daily wastewater flows and estimated pollutant loads to the sanitary sewer from specific facility processes. This information will be used to target areas where Carla's can reduce these loads. Additional detail regarding this evaluation was provided to you in the previous monthly progress reports for January, February and March 2019.

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- The suspension of the large account mac & cheese production line and the reduction in the milk & cream production line in January 2019 continues to contribute to the significant reduction in wastewater concentrations and daily flows. Further reduction in the milk & cream production is anticipated when the expansion becomes fully operational.
- As an update to the August 2019 progress report, a summary of the additional evaluations, corrective actions, and a status update on the actions performed by Carla's Pasta (in bold) is provided as follows:
 - Cambrian Innovation has evaluated the feasibility for anaerobic wastewater treatment processes for the wastewater discharge and has initially recommended a membrane bioreactor (MBR) treatment system. **Status: Complete**
 - Carla's Pasta has evaluated and implemented alternate chemicals for the CIP processes to reduce the pH swings. Additional detail regarding this evaluation was provided to you in the previous monthly progress reports and in the Summary of Corrective Actions provided to you on May 7, 2019. **Status: Complete**
 - Carla's Pasta has evaluated and implemented alternative cleaning methods which have reduced wastewater volumes. Additional detail regarding this evaluation was provided to you in the previous monthly progress reports and in the Summary of Corrective Actions provided to you on May 7, 2019 **Status: Complete**
 - Carla's has provided results of the process sampling to several wastewater consultants such that they can continue to assess how best to potentially reduce the pollutants, particularly from the more problematic sources. **Status: Ongoing**
 - Carla's performed a full cleaning of the oil/water separator for the existing building including removing excess sediment from the tank walls on November 9, 2019. **Status: Complete**

Projected Progress for Next Month: The following is a summary of anticipated next steps for the evaluation:

- Carla's will continue to assess the sampling results and implement corrective actions on an on-going basis including the following:
 - Carla's will continue to perform the weekly pumpouts of the existing oil/water separator during periods of lower flow (i.e., on the weekends) to maximize the effectiveness of the pumpouts.
- Carla's Pasta will assess alternatives for a proposed treatment system for the wastewater discharge due to cost considerations in previous designs.



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- It is anticipated that Carla's Pasta will have a better understanding of the potential load reduction options after the expansion becomes fully operational over the next three to four months.

Potential Delays: There are no additional delays anticipated at this time.

Monthly Monitoring Results

Existing Discharge to Talbot Lane

On November 15, 2019, Fuss & O'Neill conducted effluent monitoring of the existing wastewater discharge. Fuss & O'Neill collected effluent samples from the sampling/metering manhole immediately downstream of the oil/water separator in accordance with the South Windsor Water Pollution Control Authority (WPCA) and DEEP *General Permit for the Discharge of Miscellaneous Sewer Compatible Wastewater* (MISC General Permit) requirements. One grab sample was collected at 8:00 a.m. on the day of sampling. In addition, samples were collected during a typical operating day over a 24-hour period starting and ending at approximately 8:00 a.m. on the day of sampling as follows:

- One flow-weighted composite sample was collected
- pH measurements were made continuously over this period

The composite sample was collected on a flow-weighted basis. The composite sample was analyzed for biochemical oxygen demand (BOD), total suspended solids (TSS), and total metals (copper, lead and zinc) by a State Certified Laboratory. The grab sample was analyzed for oil & grease (total and TPH). Note that the auto sampler used for sampling did not collect the full volume of wastewater anticipated for the composite sample. However, the volume was adequate for the required laboratory analyses and, based on the results, we believe there was not a sample bias as a result.

A table summarizing the wastewater sampling results (*Table 1*), graphs depicting the pH and flow measurements for the November 2019 sampling period, and a copy of the monitoring results are provided in *Attachment A*.

New Expansion Discharge to Nutmeg Road South

Fuss & O'Neill conducted initial effluent monitoring of the new wastewater discharge associated with the expansion in July 2019. Samples were not collected from the expansion in November 2019 since there was no wastewater discharge that occurred during the month. As stated above, it is anticipated that production will start in the expansion in December 2019 and that a sample will be collected after production commences.



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In addition, it is anticipated that the new flowmeter and pH meter for the expansion will be installed and operational prior to the December 2019 sampling event.

Daily Discharge Flow Records

A copy of the daily wastewater flowmeter readings for November 2019 for the existing discharge to Talbot Lane are provided as *Attachment B*. The average daily flow for the month was calculated as 81,530 gallons per day (GPD).

Weekly Pumpout Records

A copy of the weekly oil/water separator pumpout records for the existing facility is provided as *Attachment C*. The oil/water separator pumpout records for the expansion are anticipated to be provided in the future monthly progress reports following pumpouts.

If you have any questions or need additional information, please call one of us at (860) 646-2469.

Sincerely,

Neil P. Hickey, P.E.
Project Manager

Christopher J. Ecsedy, P.E., LEP
Senior Vice President

Enclosures

c: Sergio Squatrito, Carla's Pasta
Don Doeg, Updike, Kelly & Spellacy

Attachment A

Monthly Monitoring Results

TABLE 1
MONTHLY 24-HOUR WASTEWATER SAMPLING RESULTS
NOVEMBER 2019

SAMPLE # 1584191115-01
CARLA'S PASTA
SOUTH WINDSOR, CONNECTICUT

PARAMETERS	UNITS	RESULTS
Suspended Solids, Total	mg/L	80
BOD ₅	mg/L	150
Oil and Grease, Total ⁽²⁾	mg/L	17
Oil and Grease, TPH ⁽²⁾	mg/L	2.7
Copper, total ⁽²⁾	mg/L	0.014
Lead, total ⁽²⁾	mg/L	ND > 0.001
Zinc, total ⁽²⁾	mg/L	0.024
pH ⁽¹⁾	SU	7.14-11.28 (See Attachment A)
Flow, Day of Sampling ^{(1),(3)}	GPD	95,500 (See Attachment A)
Flow, Average Daily ^{(1),(3)}	GPD	81,530 (See Attachment B)

(1) Measured in the field

(2) Parameter required to be analyzed by MISC General Permit on a quarterly basis

(3) Flow from metering manhole flowmeter.

mg/L Milligrams per liter

SU Standard Units

--- No Limit

BOD₅ Biochemical Oxygen Demand

COD Chemical Oxygen Demand

GPD Gallons Per Day

TPH Total Petroleum Hydrocarbons

N/A Not Analyzed

ND Not Detected

CARLA'S PASTA DISCHARGE MONITORING REPORTS

MONTHLY DMR RESULTS FROM FUSS/O'NEILL

VIOLATION SURCHARGE

DATE	PH LOW	PH HIGH	TSS	BOD	O/G	Q**	TSS	BOD	GROSS SURCHARGE	NEGOTIATED DEDUCTION	NET SURCHARGE
Jan-19	6.51	11.78	180	690	-	76,639	\$ -	\$ 5,777.42	\$ 5,777.42	75%	\$ 1,444.35
Feb-19	4.91	11.47	174	420	36	94,968	\$ -	\$ 3,115.28	\$ 3,115.28	75%	\$ 778.82
Mar-19	7.55	12.75	310	1000	-	96,674	\$ 1,295.70	\$ 12,014.19	\$ 13,309.88	75%	\$ 3,327.47
Apr-19	7.72	13.05	310	1400	-	100,407	\$ 1,345.73	\$ 18,812.13	\$ 20,157.86	75%	\$ 5,039.46
May-19	7.52	11.54	500	890	9.2	93,533	\$ 4,561.70	\$ 10,001.20	\$ 14,562.90	60%	\$ 5,825.16
Jun-19	4.30	10.34	320	950	-	90,967	\$ 1,343.75	\$ 10,246.07	\$ 11,589.82	60%	\$ 4,635.93
Jul-19	3.76	9.88	610	3800	-	79,645	\$ 5,515.21	\$ 45,068.03	\$ 50,583.23	60%	\$ 20,233.29
Aug-19	5.1	9.93	84	360	31	103,181	\$ -	\$ 2,408.35	\$ 2,408.35	60%	\$ 963.34
Sep-19	5.21	10.59	76	550	-	96,380	\$ -	\$ 4,971.88	\$ 4,971.88	25%	\$ 3,728.91
Oct-19	6.00	10.82	82	350	-	90,713	\$ -	\$ 1,974.27	\$ 1,974.27	25%	\$ 1,480.70
Nov-19	7.14	11.28	80	150	17	81,530	\$ -	\$ -	\$ -	25%	\$ -
Dec-19							\$ -	\$ -	\$ -	25%	
AVERAGE	5.97	11.22	248	960	15.58	91,331		YTD TOTAL	\$ 128,450.88		\$ 47,457.44

TOWN PARAMETERS		STATE
PH LOW	5	5
PH HIGH	10	12
TSS	238	600
BOD	212	600
O/G	100	100
Q	125,000	N/A
Q VARIANCE*	170,000	N/A
TEMP	40 *C	40*C

NEW VARIANCE OF 210,000 AS OF 12/2018

BOD SURCHARGE FORMULA

BOD, LBS. = (FLOW, MGD) x (CONCENTRATION, mg/L - 212 mg/L) x (8.34 LBS./GAL.) x (\$0.61/LBS.)

TSS SURCHARGE FORMULA

TSS, LBS. = (FLOW, MGD) x (CONCENTRATION, mg/L - 238 mg/L) x (8.34 LBS./GAL.) x (\$0.72/LBS.)

****Q = AVERAGE DAILY FLOW FOR THE MONTH**

Q, gpd = TOTAL MONTHLY FLOW / # OF DAYS OF MONTH