

The Regular Meeting of the Water Pollution Control Authority was called to order by Chairman Michael DeAngelis at 7:00 p.m. on Wednesday, March 14, 2007 in Room 305 of Shelton City Hall, 54 Hill Street, Shelton, CT 06484.

The following Commissioners were in attendance to constitute a *quorum*:

Michael DeAngelis
Anthony Presutto
Edwin Hellauer
Steve Morse
Bronislaw Piotrowski
Regis Dognin
Todd Dowty

Absent were: Open (Matthew Gallo)

Also attending were: Thomas Sym, Sewer Administrator
Ed Comboni - Treatment Plant

1. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was recited.

2. PUBLIC PARTICIPATION

There was none.

3A. APPROVAL OF MINUTES OF REGULAR MEETING OF JANUARY 10, 2007

Motion: A motion was made by Commissioner Presutto and seconded by Commissioner Hellauer to approve the Minutes of the Regular Meeting of January 10, 2007 as submitted. All were in favor with the exception of Commissioners Dognin and Dowty who abstained. Motion carried.

3B. APPROVAL OF MINUTES OF SPECIAL MEETING OF JANUARY 16, 2007

Motion: A motion was made by Commissioner Piotrowski and seconded by Commissioner Morse to approve the Minutes of the Special Meeting of January 16, 2007 as submitted. All were in favor with the exception of Commissioners Dowty and Dognin who abstained. Motion carried.

3C. APPROVAL OF MINUTES OF SPECIAL MEETING OF FEBRUARY 28, 2007

Motion: A motion was made by Commissioner Dognin and seconded by Commissioner Presutto to approve the Minutes of the Special Meeting of February 28, 2007 as submitted. All were in favor with the exception of Commissioner Dowty who abstained. Motion carried.

4. COMMUNICATIONS

A. Nitrogen Trading Program

Mr. Asikainen said the credit cost in 2006 was \$3.40 a pound and they are anticipating the cost in 2007 to be around \$4 a pound.

Mr. Sym asked why is Shelton on the report up there with Hartford?

Mr. Farmer said because Shelton is close to Long Island Sound and they are further away.

Mr. Asikainen discussed the equalized cost - as you go further away from the sound. A town further away may have a cost of 0.7 per pounds and a town close to the sound may have the pounds at 1 per pound.

Commissioner DeAngelis asked what the "star" marked on the report represents - it says Clean Water Fund Nitrogen Project Facility - what is that?

Mr. Asikainen the star represents those projects that have had nitrogen capital upgrades. You will be next year and you will have a star next to your name.

B. Budget Worksheet

Commissioner Morse handed out his Budget Worksheet. He said the expenses ran higher due to the Plant personnel due to the construction of the plant. There was quite a bit of overtime -more than budgeted for.

Under plant operations, the plant just switched over to all gas for their heat. So, based on the process of natural gas, we will have to watch the costs on that.

Not much sludge is being sent out - most is being held in the tanks. Soon, it will have to go to Naugatuck. The cost of sludge is going up.

The electrical costs - Commissioner Morse had UI lump all the WPCA electrical bills, the pump stations, and the main plant, under one bill.

Mr. Asikainen asked if we negotiated a new contract with Naugatuck?

Commissioner Hellauer said usually there is not much to negotiate.

Commissioner Morse said the February/March electrical bill should be here anytime now and it will be high.

The City is trying to negotiate an aggregate supplier, which is cheaper than UI - which they are going to sign with this week.

Commissioner DeAngelis asked who are you going to call if you have a problem?

Commissioner Morse said you call UI.

The Revenue vs. Expenses chart shows the red line of total expenditures to date; the black line is estimated revenue and the green line is revenue received to date.

Commissioner Dognin asked how does this affect our user fee?

Commissioner Morse said that Jeff Shortell is working on a Budget for next year and when that is ready we will have a better idea.

Commissioner Morse said we will have to raise our rates but we are not sure how much.

Mr. Sym said the user fee is for plant operation.

Mr. Sym said we would; need a Public Hearing on the User Fees.

4. C. Superintendent's Report

Mr. Ed Comboni read his status report into the record as follows:

Commissioner DeAngelis asked Mr. Sym to ask someone from DTC - our pump station engineers, to come to our next meeting and give us a report.

The average nitrogen pounds in January were 393 and the average in February was 406.

Commissioner Morse said UI will manage the blackout - Response Program - the generator will go on-line.

Mr. Asikainen said to check with UI as he thinks they will pay for diesel.

Commissioner Morse will get a copy of the contract but we could get a \$28K yearly benefit to run the generator. If there are no brownouts, they will do a test anyway and we will get \$28K.

Mr. Comboni said the grit collector picks up organics and we need to try to separate the two. We are working with Amwell - this can be expensive. There was discussion. Jeff Shortell was concerned with this months ago. The contractor picked this vendor.

D. WPCA Commission

This is for information purposes. Commissioner DeAngelis welcomed our new member Todd Dowty.

5. OLD BUSINESS

A. Falmouth Drive Assessments

Motion: A motion was made by Commissioner Hellauer and seconded by Commissioner Piotrowski to approve the Falmouth Drive assessments as presented at the Public Hearing earlier this evening. All were in favor. Motion carried unanimously.

B. Avalon II 917 Bridgeport Avenue/Huntington Street

Here this evening for Avalon were Attorney Joseph Williams from Shipman and Goodwin in Hartford, Kevin Bennett, Development Director of Avalon Bay Communities and Ted Hart principle with Milone and MacBroom.

Mr. Williams said that was we are asking for is this: The Authority back in February 2005, gave us an approval to connect to the sewer system for an apartment development at 917 Bridgeport Avenue which runs on Bridgeport Avenue and you gave us approval for 228 units with a discharge of 49,000 gallons per day average flow - which we appreciated. We are here tonight to ask you to modify that approval to reduce the amount of the discharge and in connection with that, take a way a condition of your approval, that we mitigate inflow and infiltration. The reasons for this request is that WPCA approved the sewer connection and we got a wetlands approval for 171 units but the zoning commission denied our request to re-zone the property. We took an appeal from that and earlier this year we reached a settlement agreement in principle, with the zoning commission, to pursue a new application for the site and that is what we are doing now, here and at zoning and at wetlands. We have proposed a different development; 99 townhouse style rental apartment units - so we have reduced the development from 171 plan approved at wetlands, to 99 units and we are now pursuing applications for that. In connection with that reduction in the units, we are substantially reducing the amount of discharge that we are proposing and it is actually 22,000 gallons per day.

Mr. Williams distributed the new WPCA Application for Approval form with the new average flow of 22,000 gallons per day.

So, first, the discharge that we are requesting has been reduced by quite a bit, the proposal here is an attempt to reach a compromise to settle the appeal with the zoning commission and at the same time, reach an agreement and are trying to settle all the appeals involving the Armstrong Road development.

Another reason we are requesting to eliminate the I&I condition, is that from the Minutes of February 09, 2005, we tried to find what to reduce the I&I from and it was difficult to

identify the correct amount of I&I - so that is another reason for the request. The final reason is at the time this approval was given, we committed to not connecting to the system any sooner than July 2006. It is my understanding that these upgrades are due to be completed by the end of the summer. If that is the case, and we are discharging a lot less and we were having trouble identifying the I&I amount, for all those reasons, we are asking that you reduce that amount that we will be permitted to discharge and eliminate the condition that we mitigate I&I.

Commissioner Presutto asked about the peak hour flow being 88,000 gallons a day.

Mr. Ted Hart: the peak flow is a factor of 4.

Commissioner Presutto asked how often would that happen?

Mr. Hart said he is not sure. The standard peaking factor is 4 in the industry.

Mr. Hart showed the layout of 917 Bridgeport Avenue. The green is the 8-inch sewer main and it comes through the site now. The darker green line is where we will be constructing new sewer lines to connect to the 8-inch line. We will be constructing about 2,000 feet of 8-inch sewer line and connecting in two locations. The laterals are 6 inches. The projected flow is 22,000 gallons per day, which is based on 210 gallons a day per unit plus 1,000 gallons per day for the clubhouse. The previous approval was for more than double that. One of the big concerns for allowing that type of flow into the system with the previous approval, was that there was a problem with the pumping stations that they could not handle the I&I and peak flows. With the new pump stations coming on, it should be able to handle this reduced flow. We don't see this ready for connection until well after August 2007. We may start construction by August, but that remains to be seen. We probably won't connect to the system until November or December.

Mr. Hart continued that after our last approval, Scinto and Avalon paid for a study that Maguire Group did for I&I and they came up with I&I flows with the 48,000 and Scinto's generation, there was not enough I&I found in that study to be offset by both projects, so when we saw that, we knew there was a problem because we knew Scinto was coming on line before us and they would take up most of the I&I. This is a commercial building and we have reduced the apartments to 99. They are not all the same; they are a mix of 2 and 3 bedrooms. It is three stories.

Mr. Sym asked Mr. Hart to get the water meter size.

Mr. Hart said we will have a 3-inch domestic line and an 8-inch fire line.

Commissioner Piotrowski asked who maintains the line?

Mr. Hart said he is not sure - it is all private.

Mr. Sym said if it is all private, we do not want it.

Tape 1 Side B 7:45 p.m.

Mr. Williams said it is OK to have Avalon Bay maintain the lines.

Commissioner DeAngelis asked Mr. Hart to finish the application and add the 3-inch water line and give data and drawings to Maguire Group for their review. Fill in line 17 to "no" and have Rick Schultz in Planning and Zoning sign off.

Commissioner DeAngelis said we are modifying the Benefit Connection Charge formula and may base it on domestic water main line and put in a 3-inch line on the application. We will act on the I&I after Maguire Group reviews the new application.

Mr. Williams recommends the modification and condition to the February 2005 motions.

Mr. Williams asked when would we make a decision?

Commissioner DeAngelis said we would act on it next month. He said he personally does not see an issue with it. But, we will have a recommendation from Maguire Group next month.

Commissioner Dognin said the I&I falls by the wayside since you will now be coming on-line after the other components that were an issue.

Mr. Sym said “no that is not what we are thinking.”

ADD-ON

Motion: A motion was made by Commissioner Hellauer and seconded by Commissioner Piotrowski to add on Soundview Avenue Subdivision (Huntington Development Group) to this evening's agenda under New Business 6 B 3. All were in favor. Motion carried unanimously.

C. Maguire Group Status Report

Mr. Kevin Farmer said you have our monthly report.

He said he reviewed the sewer connection fees based on water meter size and distributed a handout. The 5/8 water meter size is pretty standard.

Mr. Sym was asking based on the size of the water meter how many dwelling units is that?

Mr. Sym, the application we just reviewed for 99 units based on a 3-inch water meter size...

Mr. Farmer said the connection fee would be \$32,000.

Commissioner Hellauer asked if a 3-inch pipe is big enough to supply 99 units? It seems small.

Mr. Farmer will review the application. It seems on the low side. This is something new we are going to have to consider with all applications.

Commissioner Dognin said based on this calculation of Avalon's, the fee is too low.

Mr. Farmer said we have to make this equitable.

Mr. Asikainen said an individual house is 3/4 inch - 3/4 inch going to each unit.

Commissioner Hellauer said the water company will do separate meters not one meter.

There was discussion of the benefit connection fees.

Commissioner DeAngelis said lets pick a date for the next Benefit Connection Charge meeting to continue our discussions.

It was decided to meet on Tuesday, March 20, 2007 at 4:40 PM in Room 104. The Clerk will make the arrangements.

FY2008-2009 Priority List I/I Program (CWF 473-C) Clean Water Fund

Mr. Farmer distributed the letter he drafted to William Hogan of DEP regarding the Clean Water Application 2008-2009 priority list. The purpose of this letter memo is to request inclusion on the FY 2008-2009 Priority List. Planning = \$180,000; Design Cost

= \$200,000; Construction = \$3,500,000. The grants and loans amounts I listed are to the penny.

Mr. Asikainen said DEP wants allocation of \$140 million more for the next two years for projects.

Motion: A motion was made by Commissioner Morse and seconded by Commissioner Dognin to approve the letter drafted by Kevin Farmer dated March 14, 2007 to Wm. Hogan/DEP on the proposed Clean Water Fund Priority list and submit the letter. All were in favor. Motion carried unanimously.

Amendment 7 to the Treatment Plant Contract originally signed in 2002.

Mr. Farmer said this is a no-cost amendment but it is necessary. We under estimated one task and over estimated another but the cost is the same - but we just have to shift budget between the two. This has been discussed with Mayor Lauretti and Stela Marusin of CT DEP. Attorney Ray Sous has asked that you approve it as well. If you approve this, the Mayor can sign it and we can get the budgets changed and send to DEP. DEP will not approve your request for funding unless we do this.

Motion: A motion was made by Commissioner Morse and seconded by Commissioner Dognin to approve Amendment 7 allocating new budgets to the original contract that was signed in 2002. All were in favor. Motion carried unanimously.

6. NEW BUSINESS

A. BILLS RENDERED

- 1. Robinson and Cole.....\$17,088.32

Motion: A motion was made by Commissioner Presutto and seconded by Commissioner Piotrowski to authorize payment to Robinson and Cole in the amount of \$17,088.32 for the bond issue invoice dated January 29, 2007. All were in favor. Motion carried unanimously. Monies to come from the Wastewater Collection Systems Fund/Referendum Fund.

- 2. DTC.....\$ 3,927.12
(Diversified Technology Consultants)

Motion: A motion was made by Commissioner Hellauer and seconded by Commissioner Piotrowski to authorize payment to DTC the Pump Station Engineering Consultants for \$ 3,927.12 invoice dated February 6, 2007. All were in favor. Motion carried unanimously. Monies to come from the Wastewater Collection Systems Fund/Referendum Fund.

Commissioner Presutto asked why these people don't come and give us a report.

Commissioner DeAngelis said that is what I asked earlier this evening is for Tom Sym to ask them to come to our next meeting and give a report.

Commissioner Presutto said he is sure that at last month's meeting there was a change order. The clerk is to check the bill from last month and bring it to the next meeting.

Mr. Asikainen said it was probably from Kovacs.

- 3. C.H. Nickerson & Co.....\$672,079.67

Motion: A motion was made by Commissioner Dognin and seconded by Commissioner Hellauer to authorize payment to C.H. Nickerson for \$672,079.67 for the period to

February 28, 2007. All were in favor. Motion carried unanimously. Monies to come from Wastewater Collection Systems Fund/Referendum Fund.

4. Maguire Group.....\$ 45,991.05

Motion: A motion was made by Commissioner Piotrowski and seconded by Commissioner Presutto to authorize payment to Maguire Group in the amount of \$45,991.05 for work performed dated February 23, 2007 Job 17444. All were in favor. Motion carried unanimously. Monies to come from the Wastewater Collection Systems Fund/Referendum Fund.

B.1. Connection Application 159 Long Hill Avenue/Bridgeport Avenue

Alan Shepard
Nowakowski, O’Bymachow and Kane
415 Howe Avenue
Shelton, CT

Mr. Shepard said this is on Bridgeport Avenue near Sullivan Avenue where Nancy’s Nursery was. This is a proposed mixed-use building of John Guedes. It is hooked up to sewers now. It is residential along Long Hill Avenue and Commercial on Bridgeport Avenue. It is a split zone. They want shops below and four residential units on top. They want gravity sewer out to Bridgeport Avenue. There is a tap onto Bridgeport Avenue and it goes over a box culvert there. I am a little concerned over the coverage and my client is prepared to do a pumping station to pump up to Long Hill Avenue if we can’t get gravity. It is nice that we have access to two roads.

Mr. Shepard continued that we got approval from wetlands and the brook is there. We need to analyze the box culvert and be sure we have enough cover over the box culvert and do no damage there.

Mr. Sym said you can core-bore through the culvert to get gravity.

Commissioner DeAngelis said “No way - what are you going to do when you have high flows in the culvert?”

Mr. Shepard said we will try to go above. We have some options.

Tape 2 Side A 8:30 p.m.

Mr. Shepard said it is a 2-inch water line. Also, one of the existing houses will be eliminated.

There will be four residential condos above the shop.

It looks like 5 units x \$2K = \$10,000 for the Benefit Connection Charge. In this instance, the benefit connection charge works OK.

Gravity is to be determined.

The application was accepted for review and forwarded to Maguire Group for their review.

B. 2. Connection Application White Hills Shopping Center

Jim Swift
Professional Engineer

Mr. Swift said this is a commercial district. There is no zone change and it is a 9,000sq. Ft. Building. There is no extension of the city sewer main. We want to tie into the lateral. We want a lateral connection.

The total discharge is 1,318 gallons a day. There will be a Chinese restaurant, a bookstore, maybe a bank. There are 8 total units and the bookstore is taking up 2.

Basically, this is a lateral connection. It is a private sewer line.

The application was accepted for review and forwarded to Maguire Group to be included in the flow sheets.

Motion: A motion was made by Commissioner Morse and seconded by Commissioner Piotrowski to approve the White Hills Shopping Center application, 190 Leavenworth Road, Royal Wells. Information to be given to Maguire Group to be included in the flow sheets. All were in favor. Motion carried unanimously.

B. 3. Soundview Avenue (Huntington Development Group) ADD-ON

Joe Pereira
Professional Engineer

This is at 279 Soundview Avenue. This is an eleven lot (11) subdivision on Soundview Avenue across from Red Fern Ridge on 14.2 acres 40,000 - 62,000 sq ft lots. Wiacek property is to the south.

The design works out well. It will be forced main up to a manhole. The site grades from Soundview to the south. There is a 35-foot difference in grade. All the houses will have individual pump stations - specified E1 or Barnes equivalent. It puts the responsibility on the individual homeowner for the equipment and everything will be outside. The individual forced main will be in the street. That will be the only thing publicly owned and maintained. It gets pumped up to a manhole at the intersection of Red Fern and Soundview and then pumps by gravity down to existing sanitary line on Red Fern Ridge.

Commissioner Piotrowski said it is the City's forced main - did you try to get gravity through City owned land? It is the City's forced main - but the pumps are privately owned.

Mr. Pereira said he did not try that - I am not sure there is an outlet at Wiacek's.

Mr. Sym said there is.

Mr. Pereira asked if there is an issue in connecting on Red Fern?

Commissioner DeAngelis said the maintenance is the issue and ownership.

Mr. Pereira said the maintenance is on the homeowner. Individual pumps are outside the homes.

Commissioner Morse asked if septic would work?

Commissioner DeAngelis said no - it is an elevation change and too wet.

Mr. Pereira said these are self-cleaning systems. Equipment and costs are on the homeowner except for the forced main. These are positive displacement pumps and self-cleaning and does not have variable output.

Commissioner Piotrowski asked what is the life of the pump?

Mr. Pereira said they are meant to last.

Mr. Asikainen said the homeowner has to watch what they throw down the toilets. Barnes centrifugal pumps are not good here. You want positive displacement pumps.

The average flow is 6600 gallons per day with a peak hour flow of 26,400 gallons a day.

Roger Spinelli did this on Birdseye Road and Nature Lane has E1 system.

The application was accepted for review and forwarded to Maguire Group for their review.

C. Sewer Administrator's Report

Mr. Sym said the User Charge Rate should go up to \$2/month ($\$140 + \$24 = \164) so we should go up to \$165 a year.

Commissioner Morse said let's wait until we get Jeff Shortell's report.

There was discussion of potential costs.

Mr. Sym asked Maguire if they can come up with some sludge numbers - estimate of total sludge produced.

Mr. Asikainen said you need to negotiate a price with Naugatuck. It will probably be in half when the thickener is on line - it will be less to haul away as you are thickening it. There will be less total volume. We will use two tanks all the time actively.

Tape 2 Side B 9:15 p.m.

There was discussion of sludge and mixers and thickeners.

7. FINANCIAL STATEMENT

The Financial Statement was reviewed.

8. ADJOURNMENT

There being no further business to conduct this evening,

<p>Motion: A motion was made by Commissioner Presutto and seconded by Commissioner Dognin to adjourn. All were in favor. Motion carried unanimously.</p>

The meeting adjourned at 9:19 p.m.

Respectfully submitted,

Linda M. Hooper
Clerk

2 Tapes on file with the City/Town Clerk