Water Pollution Control Authority
April 14, 2010
Special Meeting
Town Hall – Council Chambers

Members Present:  Mr. John Attwood (Chairman)
Mr. Steve Eberle
Mr. Walter Gancarz
Mr. Mark Korman
Mr. Tim Pelton
Mr. Mark Witek

Members Absent:  None

Others Present:  Mr. Dennis Dievert, Wastewater Treatment Plant Director
Mr. Donald Chelton, AECOM
Mr. Jon Pearson, AECOM
Mr. Matt Formica, AECOM
Mr. Joseph Michelangelo, Director of Public Works

Chairman Attwood called the meeting to order at 6:05 p.m. Roll was called and a quorum determined. The assembled group recited the Pledge of Allegiance. Mr. Attwood explained to the audience how to exit the chamber in the event of an emergency, in compliance with the Fire Marshal’s order.

This meeting was the continuation of the March 10, 2010 workshop to discuss the draft WPCP Facilities Plan recommended project elements. The WPCA reviewed the status of the various project elements and identified project elements which require additional information or clarification to be provided to the WPCA for further consideration.

Discussion began regarding a recently received letter from the Connecticut DEP. The gist of the letter is that the DEP is in agreement with the sanitary sewer service area as defined in the Phase I portion of the Facilities Plan that the Town submitted approximately 1 ½ years ago. Discussion continued about the future need for having a public hearing about this defined sewer area, since there are implications to many private property owners in Town. The Authority will request from Andrew Lord of the Town Attorney’s office if a public hearing is a requirement from DEP for obtaining future funding. Regardless, as a matter of policy the Authority may also want to consider a public hearing.

Mr. Korman entered meeting at 6:10 p.m.

The Authority began an item by item overview of the recommended WPCA upgrade options and estimated cost summary that was presented at the meeting of 3/10/10.
Influent Pumps and Sluice Gate Actuator Upgrades: The Authority is in agreement with the need for this work. The Authority questioned whether replacing the existing commonuter with a like product or a muffin monster would suffice. Mr. Chelton responded that the proposed technology is much better than those processes, which are somewhat limited and outdated. The WPCA requested additional information to justify the inclusion of this project element into the WPCP upgrade recommendations including:

- Cost to replace the comminutes with channel grinders.
- List of reasons why this upgrade is needed and why the comminutors should not be replaced in kind.

Influent Screening: The Authority is in agreement with the need for this work, and the scope and price in the submitted report.

Septage Receiving: Dennis Dievert discussed the amount of septage received over a three year period, and the income received. He also discussed the current operational aspects and billing procedures. The Authority has some concerns about the need for a sophisticated system based on the volume of septage that is received, and the income that is produced. Although the current system is rudimentary in that vendors simply dispose of waste with no metering into an opened manhole, what are the real benefits of changing the system? Is there a system that will serve the needs at a lesser scale? Members of the Authority inquired if accepting the waste is mandatory or optional. The WPCA requested additional information to help resolve whether to 1). Provide a modified scaled back septage receiving facility with a flow meter, card readers, and septage discharge tracking software for septage haulers, 2.) Continue with the current septage receiving operation, 3.) Discontinue receiving septage at the WPCP all together. Additional information requested by the WPCA related to the septage receiving facility included the following:

- Determine if CT DEP has any requirements that WPCP’s must accept septage.
- Determined what the other local WPCPs charge for septage disposal.
- Discuss the need for septage disposal, and concerns with the potential elimination of the receipt of septage, with Chesprocott.

Aerated Grit Chambers: The Authority is in agreement with the need for this work, and the scope and price in the submitted report.

Primary Settling Tanks: The replacement of the mechanical systems for all four settling tanks is proposed. The discussion centered on since two of the unit have 1970 mechanicals and two have 1990, so the 1990 ones really need to be replaced at this time. Since this is a 20 year planning process and the 1990 mechanicals will outlive their service lives very shortly, the Authority agreed with the need to address the needs of all four units, along with the price in the submitted report.

Secondary Process Upgrades

Primary Effluent and RAS Mixing: The Authority is in agreement with the need for this work, and the scope and price in the submitted report.

DO Control and Aeration Upgrades: The Authority is in agreement with the need for this work, and the scope and price in the submitted report.

Phosphorus and Disinfection Upgrades

Two Point Chemical Addition with Disc Filtration; Ultraviolet Disinfection and Reaeration Upgrades:
It was the consensus that the Town will be facing phosphorus removal in the near future. Although the final limits can be debated, it is best to plan for this eventually and the Authority is in agreement with the need for this work, and the scope and price in the submitted report.

**Solid Handling Process Upgrades**

*Sludge Thickening; Sludge Digestion/Storage Dewatering and Disposal; Cake Disposal Upgrades:* The Authority is in agreement with the need for this work, and the scope and price in the submitted report.

**Ancillary Facilities**

*WPCP Control Systems, Software and Instrumentation; WPCP Communications System; HVAC; Electrical Systems; Emergency Power; Ancillary Pumping Systems; Fuel Oil Systems*

The need for the control system was agreed upon. After some discussion about the need for a costly and sophisticated communications system, the authority agreed for the need for this work.

The WPCA requested that AECOM investigate augmenting the existing generator with another generator to meet the recommended WPCP upgrade emergency power requirements in lieu of eliminating the existing generator and replacing it with a new generator.

The WPCA requested that AECOM reexamine the fuel oil system costs presented in the draft faculties Plan Report and provide a breakdown of the estimated costs so that the WPCA can better understand the costs.

**Buildings and Architectural Components**

**Existing Building Upgrades; New Administration Building and Operations Building Reconfiguration:** The Authority had numerous questions about the square footage of the existing building to be renovated, the need to renovate the entire lab, and a breakdown of the split up of costs between how much is being spent on the new building how much on the existing building.

The WPCA indicated that they would each visit the WPCP in the next couple of weeks in order for them to get a firsthand look at the laboratory and the administrative space in the operations building. The WPCA also requested a breakdown of the $1.95 million cost to show the cost of the new Administration Building and the cost of the modifications in the operations building.

**Sewer Vacuum/Jeter Truck and Garage:** AECOM can revise the proposed recommendation to remove the vacuum portion of the truck. This will eliminate the need for a facility to house the larger vehicle. It will provide the department with an in kind replacement of the existing vehicle. Due to improvements over the years, this will be equipped with a camera which will allow full viewing in the sewer mains, including looking into lateral connections.

The WPCA requested additional information to justify the inclusion of this project element into the WPCP upgrade recommendations including:

- List of reasons why a new sewer maintenance truck is required and its benefits.
Plant Security: Main Gate; Denitrification: Dennis Dievert raised the issue of accessing the Dinitrification building with any type of equipment, which is difficult under the current conditions. There is also a strong desire to keep people away from the methanol storage tanks. As he has mentioned before, Mr. Witek would like AECOM to incorporate a vulnerability assessment of the plant. AECOM will investigate, with the caveat that this assessment will be somewhat limited in scope.

**WPCP Site Paving:** Items relating to paving discussed with the above buildings discussions.

It was discussed that there is not a need for another full special meeting. A meeting before an upcoming WPCA meeting will suffice, to be scheduled upon receiving additional information to items discussed during this meeting.

Mr. Eberle made a motion to adjourn
Mr. Pelton seconded.

All in favor.

Meeting adjourned at 9:07 pm.

Respectfully submitted,

John Attwood, Chairman
Water Pollution Control Authority

Attest:

Joseph Michelangelo

Distribution:

Members: W.P.C.A.
Michael Milone, Town Manager
David Schrumm, Town Council Liaison
Andrew Lord, Town Attorney
Donald Chelton/Jon Pearson, AECOM
Joseph Michelangelo, Ex-Officio Member
George Noewatne, Operations Manager
Dennis Dievert, Superintendent **WPCD**
Susan Zwick, Recording Secretary