

**Town of Beacon Falls
Water Pollution Control Authority
10 Maple Ave
Beacon Falls, CT 06403**



**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
NOVEMBER 13, 2012**

I. Call to Order

Acting Chairman James Weed called the regular meeting to order at 7:32 p.m.

Present: Commissioners: Richard Komar, David Finn, James Weed, Robert Pruzinsky and Charles Edwards (7:45 p.m.).

Absent: Chairman Jeffrey Smith.

Also Present: James Galligan, Town Engineer, Walter Opuszynski, Plant Supervisor, David Prickett, P.E. Woodard & Curran, 44 Main Street, Windsor Locks, CT and Maryann Kempa, Clerk.

Comments from the Public – none

Business Meeting

Minutes – October

Motion was made by Commissioner Richard Komar and seconded by Commissioner David Finn to approve the meeting minutes as presented.

Discussion: None Vote: 4 in favor Abstained: 0 Opposed: 0

New Applications – none

Public Hearings – none

Old Business

1. Industrial Park – Lancaster Drive – J. Martin

There is nothing to report. This matter will be kept on the agenda.

2. Sewer Service Area Map

We are awaiting a response from the State of Connecticut. This matter will be kept on the agenda.

3. Nitrogen & Phosphorus Removal – Treatment Plant

James Galligan, Town Engineer explained in Woodard and Curran's study of the Treatment Plant an item which needs to be addressed is the UV Disinfection Control Panel. The disinfection control is currently being met. A flexibility control is needed. The manufacturer of the panel is out of business. Woodard and Curran reviewed the matter which is not in the original study. Three thousand dollars (\$3,000) in extra funds is needed.

A letter dated October 9, 2012 was received from David Prickett, P.E. and Jay Sheehan, P.E. of Woodard and Curran regarding Engineering Services Proposal – UV Disinfection System Assistance stating in accordance with your request, enclosed is a proposal for engineering services to assist WPCF staff with tasks related to the existing UV disinfection system:

Project Background

The Town of Beacon Falls installed an Ultraviolet (UV) System to provide disinfection of Water Pollution Control Facility (WPCF) effluent. The UV system is approximately 6 years old. The Town's NPDES permit requires seasonal disinfection from May 1st through September 30th. The minimum required UV intensity is 6.10 m/W/cm² to meet fecal coli form permit criteria. Over the past one to two years, WPCF staff has experienced operational challenges with the UV system. In addition, WPCF staff is considering a replacement control panel for antiquated UV system control panel and installation of UV transmittance sensor that was purchased in 2012. However, prior to upgrading these UV system components. The Town would like to advance Wastewater Facilities Plan tasks related to the UV system, as well as some supplemental system evaluation tasks.

Scope of Services

1. Attend a site meeting with WPCF staff to review the existing UV system and discuss operational and equipment limitation with the WPCF staff.
2. Review Beacon Falls NPDES permit conditions related to UV disinfection requirements and summarize/compare UV disinfection permit requirements for other/similar CT WPCFs.
3. Perform file review at CT-DEEP to obtain copy of basis of design report for the UV system.
4. Compare basis of design report with current flows and secondary effluent quality data.
5. Develop partial hydraulic profile for UV system.
6. Confirm capacity of UV system as compared to original basis of design data. The design of any necessary UV system improvements are not included in this proposal.

7. Review proposed replacement panel relative to UV system operation and how outputs from the new panel will integrate into likely future upgrades.
8. Prepare a summary technical memorandum.
9. Meet with WPCF to review observations and recommendations.

Please note that Tasks 1,4,5,6 and 9 are part of the scope of work for the Wastewater Facilities Plan. Although the schedule for these tasks will be expedited, there is no additional fee for these tasks through this proposal.

Project Schedule

The Town's NPDES permit requires seasonal disinfection from May through September. Although the 2012 disinfection period has passed, the Town recently purchase UV transmittance sensor equipment and plans to install this equipment and upgrade the antiquated UV control panel prior to the start of the 2013 disinfection season. Therefore, we will complete our cope of services within four (4) weeks of authorization by the Town, per this Letter Agreement.

Project Budget

Woodard and Curran will complete the work described in the Scope of Services (Tasks 2, 3, 7 and 8) for the lump sum of \$3,000. The budget will not be exceeded without written authorization.

Assumptions

Woodard and Curran will not perform hydraulic or dynamic process modeling for the UV system.

We assume that the Basis of Design Report for the UV system is available at CT-DEEP.

The work will be conducted in accordance with our most recently approved Terms and Conditions with the Town of Beacon Falls WPCA for the Wastewater Facilities Plan.

Motion was made by Commissioner Richard Komar and seconded by Commissioner Robert Pruzinsky to authorize and request funds from First Selectman, Gerard Smith in the amount of \$3,000 for the Engineering Services Proposal - UV Disinfection System Assistance.

Discussion: None Vote: 5 in favor Abstained: 0 Opposed: 0

David Prickett, P.E. from Woodard & Curran stated that they have begun work concerning Phosphorus. There have been a couple of meetings to look at the existing plant. They are on track with the DEEP Phosphorus Scheduled Milestones. They have put together a comprehensive map of the collection system. They are working on coordinating the survey with the GPS to locate all the manholes. They are right on track

with tasks two and three as discussed last month. The collection/sewer system/treatment plant work will coming over the next month or two. Walter Opuszynski, Treatment Plant Supervisor stated that everything is on schedule.

A letter was received from Lawrence Secor, Nafis & Young dated October 30, 2012 regarding the Beacon Falls WWTF Update.

4. O&G Wash Plant

There is nothing to report. This matter will be kept on the agenda.

5. Burton Hill, 363 Burton Road – 2 Lot ReSubdivision

There is nothing to report at this time. This matter will be kept on the agenda.

New Business – none

Treatment Plant Monthly Report

The monthly reports for September/October have been received.

Budget and Paying Bills

Nafis and Young – 8/31/12/\$453.13, 9/30/12/\$326.25, 10/31/12/\$181.25

Motion was made by Commissioner Charles Edwards and seconded by Commissioner Richard Komar to pay the bills as submitted.

Discussion: None Vote: 5 in favor Abstained: 0 Opposed: 0

M. Kempa - \$113.50

Motion was made by Commissioner Charles Edwards and seconded by Commissioner Richard Komar to pay the bill as submitted.

Discussion: None Vote: 5 in favor Abstained: 0 Opposed: 0

Miscellaneous

Grinder Pumps

38 Briarwood – new hookup

36 Briarwood

Correspondence

1. Fall Workshop of the Connecticut Association of Water Pollution Control Authorities, Inc.
2. Memorandum from Atty. Steven E. Byrne dated September 28, 2012 regarding Agency Member Individual Liability stating: Commission members were relieved when a

federal district court dismissed a law suit brought against them as individuals for actions they took as members of a planning and zoning commission.

3. Letter dated November 8, 2012 from Gerard Smith, First Selectman reappointing David Finn to the WPCA.

4. Letter dated November 8, 2012 from Gerard Smith, First Selectman reappointing Robert Pruzinsky to the WPCA.

5. Memorandum from the Board of Selectman dated October 26, 2012 regarding the 5-Year Capital Plan, FY 2013-2014 through 2017-18.

6. Schedule of WPCA Meetings for Year 2013.

Miscellaneous

Walter Opuszynski, Treatment Plant Supervisor stated that that Railroad Avenue pumps need to be rebuilt as they are not up to capacity. There is a lot of grit, grease and rags going through them. There are three options: convert to grinder pumps and lose flow, install harder cutters and install a muffin monster in front of the pump station. There is also an issue of is there enough voltage in the pump station to handle it.

Walter Opuszynski, Treatment Plant Supervisor explained that Ideal Manufacturing in the Industrial Park has a hazmat sanitary sewer that they want to tie into the sanitary sewer system. An application will have to be made to the WPCA.

Walter Opuszynski, Treatment Plant Supervisor stated that the treatment plans is getting a lighting upgrade. The Board of Finance has approved it. Also, an eight inch portable water pump is being purchased.

Executive Session – none

Petitions from Commissioners – none

Motion was made by Commissioner Charles Edwards and seconded by Commissioner Richard Komar to adjourn the meeting at 8:30 p.m.

Respectfully submitted,



Maryann Kempa, Clerk