

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



**REGULAR MEETING MINUTES, MARCH 13, 2012**

**I. Call to Order**

Chairman Smith called the meeting to order at 7:36 p.m.

Present: Chairman Jeffrey Smith, Commissioners: Robert Pruzinsky, James Weed, David Finn, Charles Edwards and Richard Komar.

Absent: Commissioner: Charles Edwards and Town Engineer James Galligan.

Also Present: Walter Opuszynski, Treatment Plant Manager, Jay Sheehan and Paul Dombrowski of Woodard and Curran and Maryann Kempa, Clerk.

**Comments from the Public – none**

**Minutes – February**

**Motion was made by Commissioner Komar and seconded by Commissioner Finn to accept the minutes with noted change: February meeting was called to order at 7:35 p.m. *not 8:25 p.m.***

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

**New Applications – none**

**Old Business**

**Region 16 High School**

Chairman Smith stated that there has been no discussion. Nothing has changed. When the work goes on across the street at Laurel Ledge School, the grease tanks will be installed and inspected. This matter will be kept on the agenda.

**Industrial Park – Lancaster Drive, J. Martin**

Chairman Smith stated that a letter has been sent to the building inspector stating that no building permits or certificates of occupancy are to be issued to the Industrial Park, Lancaster Drive. This matter is to be kept on the agenda.

**Sewer Service Area Map**

Chairman Smith stated that there is nothing concerning the sewer service area map at this time. This matter will be kept on the agenda.

**Nitrogen & Phosphorus Removal – Treatment Plant**

Paul Dombrowski and Jay Sheehan of Woodard and Curran came before the board to give an update on the nitrogen project. Mr. Dombrowski stated that they have been working with Walter Opuszynski, Treatment Plant Supervisor and Jim Galligan, Town Engineer to put together a scope for the Facility Plant based on feedback from Gerard Smith, First Selectman. A draft scope dated March 13, 2012 was submitted to the board. Mr. Dombrowski stated that the DEEP will require certain items be done if requesting funding. Mr. Sheehan stated that there is a required scope on the facility's planning that is fundable. Mr. Dombrowski stated that DEEP will fund 55% of the plan. A lot of Infiltration/Inflow Investigation is 60 – 70% of the cost.

Task 5 – Sewer System Evaluation Study – is not required by DEEP. It is the biggest single task. This task narrows down the problematic areas and identifies defects in the sewer system that can be repaired to reduce flow. The I&I is not fundable by DEEP by itself. If the I&I is done as part of the facility's plan it will be funded. Jim Galligan, Town Engineer and Walter Opuszynski, Treatment Plant Supervisor has reviewed the scope.

A comprehensive mapping of the sanitary sewer lines is needed. Burton Road and Cook Lane need to be addressed. It is best to do the whole project. There are no as builts for some of the subdivisions.

The letter dated March 13, 2012 to Gerard F. Smith, First Selectman from Paul A. Dombrowski, PE Woodard & Curran (a copy of the detailed letter is on file) included a list of task and description of each scope item:

1. Prepare CWF Grant Application
2. Existing WPCF Evaluation
3. Collection System Mapping and Overall Sewer System Planning
4. Infiltration/Inflow Investigation
5. Sewer System Evaluation Study
6. Evaluation of WPCF Upgrade Alternatives
7. Summary of Recommended Plan and Financial Analysis
8. Public Participation Program

Project Budget  
Project Schedule  
Scope of Work

**Overview and Purpose**

**Outline of Work – Near Term Plant Evaluation**

Task 1 – CWF Grant Application

Task 2 – Existing WPCF Evaluation

**Outline of Work – Long Term Facilities Plan**

Task 3 – Collection System Mapping and Overall Sewer System Planning

Task 4 – Infiltration/Inflow Investigation

Task 5 – Sewer System Evaluation Study (SSES)

Task 6 – Evaluation of WPCF Upgrade Alternatives

Task 7 – Summary of Recommended Plan and Financial Analysis

Task 8 – Public Participation Program

**Summary of Fees**

The letter dated March 6, 2012 to Gerard Smith, First Selectman from Lawrence K. Secor, Senior Environmental Program Manager (a copy of the letter is on file) included the following:

Action Items

Main Facility Issues/Upgrades

Pump Station Issues/Upgrades

Under Study Pending Prioritization

Discussions were held concerning a user fee and smoke testing of the sanitary sewer lines.

Chairman Smith stated that the whole package should be submitted to the State of Connecticut – DEEP. Then items can be picked from that package. Some items which are not required by the DEEP can be done away with.

**O&G Wash Plant**

A letter dated March 13, 2012 to Walter Opuszynski, Treatment Plant Supervisor from Paul Dombrowski, PE, Woodard & Curran (a copy of the letter is on file) was received concerning the review of the O&G Sewer Connection.

**Understanding of the Existing and Proposed System:**

The system consists of a concrete truck wash down area, 4 bay settling chambers and a pump recirculation system. The settling chamber is intended to allow removal of solids that are discharged during the washdown of concrete trucks following delivery of product to various project sites. Currently, water discharged from the washdowns is reused on the plant site. Periodically, O&G uses a loader to scoop settled materials from the settling chambers to an adjacent area for drainage and drying. The demonstrated carbon dioxide system consisted of a recirculation pump that transferred flow from the 4<sup>th</sup> bay of the

settling chamber, injected carbon dioxide to meet the prescribed pH value and discharged the water to a combination of 3<sup>rd</sup> and 4<sup>th</sup> bays of the settling chamber. O&G proposes to add a pump into an existing chamber adjacent to the settling tanks that would pump out to the sanitary sewer system and a flow meter to monitor the quantity discharged.

**Recommended Components of the System to Allow Discharge to the Sewer**

1. O&G has not specifically requested a definitive flow limit. During on-site discussions, a limit of 5,000 gpd was discussed. The WPCA should include a specific limit in any approval and should note that O&G must comply with the existing sewer use Rules and Regulations.
2. An oil/water separator is to be provided to both capture any floatable liquids: oil or gasoline and to serve as a secondary trap of solids that may escape the large settling basins. Because the proposed site is in an area subject to flooding from the Naugatuck River, the manhole covers that provide access to the oil/water separator should be solid with gaskets to minimize potential entry of floodwaters into the tank.
3. Installation of a flow meter on the discharge. Recommendation is that the flow meter installed with this system be a pipeline flow meter such as a magnetic flow meter installed in a below ground vault that will prevent any site flooding from entering the system via the flow meter location. The recording of the data from this flow meter may be via a chart recorder in the O&G facility or an electronic monitoring system that provides separate data storage at the Railroad Avenue Pump Station.
4. Install a meter to continuously monitor pH of the discharge. The pH meter installed as part of the carbon dioxide system is monitoring the pH of water after the addition of carbon dioxide but before it is blended with wastewater in the settling tanks and does not reflect the actual pH of the wastewater being discharged.
5. Install a float system that will prevent the discharge pump from operating upon a high water level in the settling chambers that would result from a river flooding condition.
6. Install a check valve or backflow preventer to protect against the potential of a sewer backup into the O&G site due to pump station malfunction.
7. Install a gate valve on the discharge to allow isolation of the O&G discharge from the sanitary sewer system in the event a high water level in the settling basins results in a gravity flow to the sewer system.
8. Require a regular effluent monitoring and maintenance program to ensure that the pretreatment system is functioning as intended. As a minimum, conduct quarterly sampling and analysis of oil and grease. The oil/water separator should be cleared if more than 6 inches of solids have accumulated on the bottom of the tank. Pump out records should be submitted to document cleaning schedule.
9. The WPCA reserves the right to revisit limitations of the discharge annually or more frequently if the discharge negatively impacts the function of the sewer system or treatment facility.
10. The WPCA reserves the right to require O&G Industries to prepare a Pollution Prevention Plan in the event there are excursions from the agreed upon flow limits, pollutant limits or maintenance practices. In addition to the technical issues identified, the

WPCA should also consider if this discharge warrants the implementation of a sewer use fee.

**West Road – Blockage/Pressure Line/Storm Drain**

Chairman Smith stated that the repair will be done when the asphalt plants open. The matter will be kept on the agenda.

**New Business – none**

**Treatment Plant Report**

Monthly report for February was received.

**Payment of Bills**

M. Kempa

**Motion was made by Commissioner Komar and seconded by Commissioner Weed to pay the bill as submitted.**

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

**Correspondence**

Planning and Zoning Minutes

Letter dated February 15, 2012 to Russell J. Dirienzo, LFR Levine-Fricke from Gerard Smith, First Selectman regarding leachate flow summaries for the months of October, November and December 2011.

Wastewater Treatment Plan Monthly report for the month of February 2012 from Walter Opuszynski.

**Miscellaneous**

Chairman Smith noted that there were no grinder pump failures.

Discussion was held concerning installing a grinder pump from Water and Waste Management on a trial basis.

Walter Opuszynski, Treatment Plant Supervisor discussed backflow preventers at the four homes near the Pines Bridge Pump Station. He has received permission from three homeowners and will contact the fourth homeowner. It will be determined if the preventers should go in the basement or in the line. Chairman Smith suggested outside the foundation.

**Executive Session – none**

**Petitions from Commissioners – none**

**Motion was made by Commissioner Weed and seconded by Commissioner Komar to adjourn the meeting at 8:40 p.m.**

Respectfully submitted,



Maryann Kempa, Clerk