



TOWN of BEACON FALLS

Connecticut

WATER POLLUTION CONTROL AUTHORITY

REGULAR MEETING MINUTES, JANUARY 12, 2010

I. Call to Order

Chairman Smith called the meeting to order at 7:32 p.m.

Present: Chairman Jeffrey Smith, Commissioners: Richard Komar, James Weed, Robert Pruzinsky, David Finn (7:35 p.m.) and Charles Edwards (7:40 p.m.).

Also Present: Brian Fitzpatrick – Treatment Plant Manager, Jim Galligan, Town Engineer and Dawn Jakiela, AECOM.

Comments from the Public – none

Minutes

Regular Meeting Minutes of December, 2009

Motion was made by Commissioner Weed and seconded by Commissioner Komar to accept the minutes as submitted.

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

Motion was made by Commissioner Weed and seconded by Commissioner Pruzinsky to allow the Chairman to rearrange the agenda and to add AECOM to the agenda.

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

AECOM

Dawn Jakiela, P.E. Project Manager from AECOM came before the board concerning the study for the reduction of nitrogen at the Treatment Plant. Jim Galligan, Town Engineer noted the AECOM was the company that designed the previous Treatment Plant upgraded. Dawn stated that approximately seven years a study was done concerning nitrogen reduction at the Treatment Plant. The cost of nitrogen credits have risen and will continue to rise. Jim Galligan asked Dawn to come back to the board to make a presentation. The design could be put in the budget and take advantage of stimulus monies available.

Dawn Jakiela presented the following to the board:

A timeline of activities – nitrogen loading identified as cause of water quality problems in Long Island Sound. Program developed to achieve 63% reduction of nitrogen loading in the sound by 2014. September 2001 CT DEP issued Draft General Permit for Nitrogen

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES, DECEMBER 8, 2009**

PAGE 2

Discharges which contain permit limits for plants. Final permits issued in January 2002 by CT DEP.

Beacon Falls General Permit Nitrogen Limits in Lbs/Day

Year 2002	Year 2003	Year 2004	Year 2005	Year 2006	Year 2014
24 (16.08)*	22 (14.74)*	20 (13.4)*	18 (12.06)*	15 (10.05)*	12 (8.04)*

* equivalent pounds of nitrogen credits to be purchased

The cost of buying credits for 2008 - \$54,203

Total Nitrogen Balance Sheet – Monthly Averages by Treatment Plant, 2008

Limit 15 lbs per day

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
60	64	61	63	61	60	37	54	50	61	56	58

Capital Cost for Screened Alternatives – Beacon Falls Nitrogen Study

MLE - \$449,093, BARDENPHO - \$506,730, STEP FEED - \$223,065, PARELLEL MLE - \$611,343

Note – Payback improve considering: 1. Nitrogen credit costs rising, 2. Nitrogen limit in 2014 down to 12 lb/day and 3. Grant funding available

Funding Opportunities: U.S. Dept. of Agriculture Rural Utilities Services, Rolling Program Servicing, CT, RI, MA, Criteria: Population of less than 10,000 people, Grant/loan allocation based on income levels, Time period for processing applications a few months, Loan portion may be able to be extended to 40 years.

CWF – Reserve for Denitrification Modifications

Reserve established to assist municipalities with the construction of retrofits at water pollution control facilities to achieve interim or long-term denitrofication goals with no significant structural changes or additions that would modify hydraulic capacity.

Brian Fitzpatrick, Plant Manager explained that there have been changes since the study was done. Brian also stated that the CT DEP is also requiring phosphorus removal and would like to include it in the study. The blower pumps at the plant are old and need to be upgraded. Brian also mentioned that the flows at the plant are much higher than when the original study was done. Jim Galligan, Town Engineer stated he will not be much additional flow according to the sewer service area map. It was also mentioned that the cost of credits is going up (50 – 80%). The report will be upgraded and will include phosphorus removal. The effluent at the plant is tested weekly. The limit is currently 15. The plant will be reviewed with Brian.

Discussion was held concerning a user fee. The USDA does not there be a current user fee. Jim Galligan requested that the report include all the improvements which will need to be made to the plant.

New Applications – none

JAN 20 2010

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES, DECEMBER 8, 2009**

PAGE 3

Old Business

Region 16 High School

Chairman Smith stated that this matter is to be kept on the agenda.

Chatfield Farms/Wyndham Homes Age Restricted Housing – Skokorat Road

Jim Galligan, Town Engineer noted that the contract for the pump station is for two years and is in year one. This matter will be kept on the agenda.

Chatfield Farms II

As this project was included in the Sewer Service Area Map and has been submitted to the State of Connecticut for a response, this matter will be taken off the agenda.

Industrial Park – Lancaster Drive, J. Martin

Chairman Smith stated that matter is to be kept on the agenda.

Sewer Extension – Lasky Road/Patricia Terrace/Dolly Drive

Jim Galligan, Town Engineer stated this matter has been put into the stimulus program. This matter will be kept on the agenda.

Sewer Service Area Map

This matter is to be kept on the agenda.

New Business – none

There has not been any problem with the grinder pumps.

Budget

A line item will be added to the budget for grinder pump replacement/repairs in the amount of \$15,000.

Payment of Bills

Nafis & Young \$362.50

Motion was made by Commissioner Weed and seconded by Commissioner Edwards to authorize the payment of the bill.

Discussion: None Vote: 6 in favor Abstained: 0 Opposed: 0

M. Kempa - \$80.00

Motion was made by Commissioner Edwards and seconded by Commissioner Komar to authorize the payment of the bill.

JAN 20 2010

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES, DECEMBER 8, 2009**

PAGE 4

Discussion: None Vote: 6 in favor Abstained: 0 Opposed: 0

Correspondence

P&Z Minutes

Information concerning seminars

Information concerning training sessions

Zoning Enforcement Official Monthly Report for December 2009

Wastewater Treatment Plant Summary Report for December 2009

Memo concerning budget for fiscal year 2010/2011

Petitions from Commissioners – none

Executive Session – none

Motion was made by Commissioner Edwards and seconded by Commissioner Komar to adjourn the meeting at 8:35 p.m.

Respectfully submitted,


Maryann Kempa, Clerk

JAN 20 2010