THESE MINUTES ARE SUBJECT TO APPROVAL AT THE NEXT
WATER POLLUTION CONTROL AUTHORITY SPECIAL MEETING
MAY 18, 2015
EAST HADDAM WATER TREATMENT PLANT
17 LUMBERYARD ROAD, EAST HADDAM

The Essex Water Pollution Control Authority SPECIAL Meeting was held on Monday, May 18, 2015. In attendance were Chair Susan Malan, Robert VanHouten, Mark Reeves and Randel Osborne. Also in attendance were Lisa Fasulo, Director of Health, Mark Walters First Selectman Town of East Haddam and Grant Weaver, Plant Manager. Absent: Al Wolfgram, Leigh Rankin and Ken Bombaci

APPROVAL OF THE AGENDA
NA

APPROVAL OF PREVIOUS MEETING MINUTES
Will be conducted at the next regular meeting

PUBLIC COMMENT
NA

OLD BUSINESS
NA

REPORT – LISA FASULO, HEALTH DIRECTOR
NA

REVIEW OPERATING STATEMENT AND INCOME STATEMENT
NA

MEETING NOTES:
The group gathered at the entrance to the plant at 5:00 p.m. – Grant Weaver made the introductions (Mark Walters joined the group a few minutes later). Grant gave us the full history of the plant - need for the wastewater treatment plan, the plan, how the plan was carried out. The Town took it to referendum and approved the original $9 Million bond for construction – the property where the plant is located was taken by eminent domain from the airport property. Approximately $4.5 Million of the $9 M was used for road work and resurfacing.

We first toured the "clean" building section of the plant where the electronics, monitoring office etc., are situated. We then went on and toured the treatment building portion of the plant. Both buildings were, clean, without any strong odors. During slower months sugar is added to keep bacteria levels steady.

Due to the area's topography, the Wastewater Treatment Plant is not gravity fed. Each property connected to the system has an onsite grinder pump that the Town owns and maintains. The

Town has an easement on each property to maintain the grinder pumps. This is one of the more costly operating expenses as each pump is approximately $3,000.00 and they only last about 10 years. Individual property owners pay for the electricity to operate their own 220V grinder pump.

In 1998, CDM Engineers built the plant onsite and customized various components. In hindsight, this option was more expensive than having a pre-fabricated facility delivered to a site.

Approximately 100 properties are connected to the system. The Town uses an EDU – Equivalent Dwelling Unit – and each property is assessed based on EDU. A single EDU annual assessment is approx. $1,000. A single family home is 1-EDU (regardless of the number of bedrooms). Commercial, retail, & restaurant properties are generally greater than 1-EDU. The properties connected to the Treatment Plan are each served by on-site well water – not Public Water Supply. Since water usage from each property is not measured (i.e. there is no water meter on individual drinking water wells), EDU's are used to estimate the volume of wastewater generated.

Every week, 2000-4000 gallons of sludge is removed from the East Haddam Wastewater Treatment facility and taken to Mattabassett Wastewater Treatment facility for final disposal.

Al Wolfgram's questioned were addressed:

What is the wastewater source - residential, comm. retail, restaurants, etc. w/ % of each?

The Wastewater Treatment Plant receives wastewater from residential, commercial, retail, and restaurant properties.

What are pre- and post- treatment characteristics; i.e., removal efficiencies?

Nitrogen removal meets DEEP requirements. The Nitrogen removal equipment is currently functioning at 50% of its design because the plant is only running at ½ capacity.

Phosphorous removal limits are NOT required. The plant operators know how to remove phosphorous if/when it is needed.

At least 2x/month, samples are sent to a lab for State Permit required testing.

What are O&M costs?

Approximately $120,000 per year.

Where/what is site discharge? If surface discharge, what is classification of receiving stream?

Discharge is to the Connecticut River which is currently designated as Class B surface water.

ADJOURNMENT

Respectfully Submitted
Susan Malan, Chair