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TOWN OF ORLEANS
TOWN CLERKS OFFICE

**MEETING OF THE ORLEANS
BOARD OF WATER AND SEWER COMMISSIONERS**

October 7, 2009

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A meeting of the Board of Water and Sewer Commissioners was held Wednesday, October 7, 2009 in the Nauset Room, Town Hall:

Those present were Kenneth McKusick, Robert Rich, Judith Bruce of the Board, Mark Carron, Board of Selectmen liaison, Lou Briganti, Water Superintendent. Absent were Ann Hodgkinson and Jimmy Dishner of the Board and associate member Leonard Short.

Kenneth McKusick called the Board of Water Commissioners meeting to order at 1:32 p.m.

DOUGLAS HUTTON

Mr. Hutton sent a letter dated September 17, 2009 seeking a partial abatement from his 2005 water bills that total \$7,637.81 (Principal \$6,189.74 and Interest \$1,448.07). These water bills were placed as a tax lien against the property in 2008. The Water Department is currently awaiting an opinion from Town Counsel to see if abatement by the Board is possible.

65 QUANSET ROAD

Linda Sarles sent a letter to dispute the adjusted water bill sent to her after the Orleans Water Department discovered that the transmitter had stopped responding to the meter's register causing her to be sent zero consumption water bills for 4 billing periods. The Board of Water Commissioners asked that the meter be certified for accuracy. Susan Brown suggested that the meter be tested by an outside meter testing company rather than the Orleans Water Department. The Board will revisit Ms. Sarles request after the test results have been received.

21 MEGS LANE

Mr. McGrath of 21 Megs Lane requested an adjustment of his August 2009 water bill which was large due the failure of a pressure relief valve on the hot water tank.

The Board reviewed the request and asked that a letter be sent letting Mr. McGrath know that they are sympathetic to his situation and understand that it was through no fault of his own but that delivering water to the town is not free as indicated in his letter. The resource may be free however the cost of pumping it includes such expenses as electricity, chemicals and annual maintenance. It is for this reason that the Board has had a long standing policy to hold homeowners responsible for all water that passes through the meter and not make any adjustments.

ORLEANS CONSERVATION TRUST

A motion was made by Judith Bruce seconded by Robert Rich to approve the discontinuation of service to 124 Arey's Lane account number 2690 as requested by the Orleans Conservation Trust. The vote by the Board was 3-0-0.

SUPERINTENDENT'S REPORT

SEE ATTACHED

FINANCIAL FORECAST

Lou Briganti gave a presentation of his financial forecast for the Orleans Water Department. This year April through July rainfall was almost double the norm which had a drastic impact on withdrawals. Lou Briganti estimates a loss of approximately \$180,000.00 dollars in revenue for the year. Lou is considering this year an anomaly and anticipates recovery over the next three years with the assistance of the scheduled 5% rate increase in 2011. The Board pointed out for the record that the Water Department's careful budget controls are the reason that the current revenue loss hasn't had a more significant impact.

The Board requested to see a forecast that included a wind turbine with both the positive and negative impacts.

TCR/GROUNDWATER RULE

The Board was presented for their review a draft copy of the Orleans Water Department's Total Coliform/Ground Water Rule section of their Emergency Response Plan.

NEW BUSINESS

COMMITMENTS/ABATEMENTS/REFUNDS

A motion was made by Robert Rich seconded by Judith Bruce to commit for the month of September 2009 to rate \$0.00, to services \$1,680.00, to usage \$0.00, to installations \$5,837.75 and to added billing \$4,103.84. The vote by the Board was 3-0-0.

A motion was made by Judith Bruce seconded by Robert Rich to abate \$32.13 from account 5165 and \$38.55 from account 5162 for prorated basic charges billed twice in error. The vote by the Board was 3-0-0.

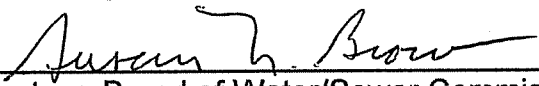
OTHER BUSINESS

The Board encouraged the Water Department to send a letter to all pit owners to inform them of their liability and the available water meter monitors.

ADJOURNMENT

At 3:27 p.m., a motion was made by Robert Rich and seconded by Judith Bruce to adjourn the meeting. The vote by the Board was 3-0-0.

The next regular meeting is scheduled for October 21, 2009 at 1:30 p.m.


Secretary, Board of Water/Sewer Commissioners

Board of Water & Sewer Commissioners

07Oct2009

BCWUA

On August 31st members of the executive Board of the Barnstable County Water Utilities Association (BCWUA) met for breakfast with Rep. Sarah Peake.

Agenda

1. Amendments to the Water Management Act
 - a. Threshold on Residential Gallons Per Capita Day (RGPCD) – 65 RGPCD.
 - b. Limits on Unaccounted for Water (UAW) – 10% UAW.
 - c. Communities have 5 years (to 2015) to meet the standards.
 - d. If the standards are not met; implement a compliance program.
 - e. Performance standards do not consider specific community conditions (i.e. availability of water).
2. Groundwater Rule
 - a. Being implemented for increased protection against microbial pathogens in Public Water Supplies.
 - b. Positive detection of any single sample from a source may require an immediate corrective action, e.g. a "Boil Order".
3. House Bill 834
 - a. Proposes regulations for "maintaining stream flows and hydrologic regimes that are protective of natural aquatic life for all rivers and streams".
 - b. Criteria for aquatic ecosystems are site specific and cannot be encompassed by a State-wide regulation.

Eastham

Scope of work for the Orleans feasibility study portion of the agreement between Environmental Partners Group and Eastham;

Task 2. Orleans Water Source Feasibility Study

Under this Task, Environmental Partners will conduct a feasibility study to assist the Town of Eastham in determining whether to purchase domestic water supplies from the Town of Orleans via an inter-municipal agreement (IMA). The feasibility study will include the following analyses:

- (1) Quantity of water Orleans can commit to selling, initially and long-term, with appropriate approvals from DEP under the Massachusetts Water Management Act,
- (2) Pricing structure for Eastham under an IMA,
- (3) O&M responsibilities,
- (4) Assessment of likely transmission main routes, and
- (5) Cost-effectiveness compared to in-town sources.

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Small

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Notes:

Eastham is probably looking to get a better feel for the capacity of their 3-potential sources before beginning any feasibility study.

Mention has been made that a meeting between the two Boards of Selectman will be sought before a feasibility study is initiated. Eastham may want to discuss pricing and availability at this meeting.

Financials

For discussion and included in the Board's packet is the most recent analysis of the financial condition of the Water Dept. (6 pages).

Flushing

Fall flushing began September 21st and should be completed next week. Flushing was interrupted due to a main break on Rte. 28 near the Harwich border (salt water corrosion of an *old* repair clamp).

GWR

In preparation for the effective date of 12/01/2009 for the Groundwater Rule (GWR), MA DEP has issued a flow chart to assist everyone with compliance. This is included in the Board's packet as an FYI.

As part of the submission requirements of the GWR, the Dept. has updated its Emergency Response Plan (ERP) for a Coliform incident. This response to a Coliform incident applies to both the GWR and the Total Coliform Rule (TCR) which are now tightly integrated.

Included in the Board's packet is the ERP table of contents, the Dept.'s Compliance Flowchart for the TCR & GWR and 4-Public Notification Templates.

This information is provided for the purposes of discussion and agreement or disagreement with the *flavor* of the text. It is anticipated that this Coliform topic will result in future discussions that may include other departments.

WTP -Membrane Status

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In the Boards' packet is the document that will be used to request a ruling from the Attorney Generals' Office on sole sourcing replacement membranes from Pall Corp. This is in final review by Town Counsel who will issue the request through the Town Administrator's office.

Information to date:

1. Replacement membranes must be publicly bid - *Town Counsel*.
2. Pall UF membranes (LOV5210) would only require that MA DEP be notified. The membrane material is PAN - Polyacrilonitrile.
3. For Pall MF membranes (UNA-620A), MA DEP will require a demonstration test with the first rack in lieu of a pilot study. This is a verbal *commitment* (2009.06.09, DEP SERO). These MF membranes are made of PVDF - Polyvinylidene fluoride.
4. Any other membranes will need to be piloted and also be listed on MA DEP's *Approved Technologies List*.
5. Layne Christensen Company could supply Toray UF membranes and are willing to conduct a free pilot study (2009.06.30, WTP). The Toray PVDF membranes have a larger pore size than the Pall UF membranes. Layne could provide some level of ongoing support.
6. Technology Sales Associates with General Electric Co. can supply ZeeWeed 1500 UF membranes (PVDF) along with a free pilot study (2009.07.09, WTP). Ongoing support is not provided.
7. Pall *would like to talk to us*. Bob Cundell & Dave Glovinsky would help with a pilot study and sell us membranes directly - cut out F.R. Mahoney (2009.06.05, Lance Benjamin).
8. A letter is in progress that will request a ruling by the MA Inspector General on sole sourcing membrane replacement to Pall.
9. Pall has assigned Chris Scalza, P.E. to the Orleans account for the design flow test that has been proposed. The operating parameters for the test are unchanged, but Pall considers the TMP limit for the test to be 45 psi - the physical limit of the modules.

Well no. 6

The bid to redevelop well no. 6 has been awarded to Maher Services. Work should begin once the paperwork formalities have been completed.

Bid results:

1. Layne Christensen	\$13,727.40
2. Maher Services	\$12,600.00
3. Dennis L. Maher	\$13,521.00

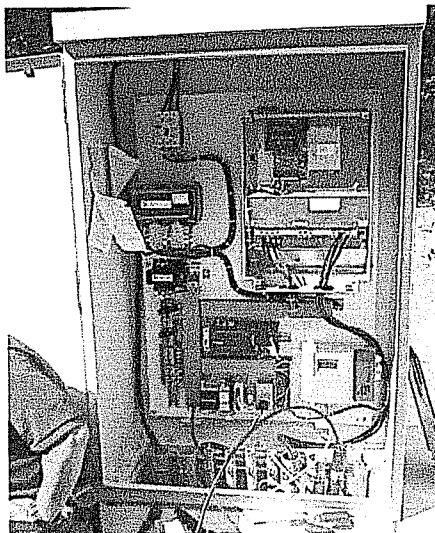
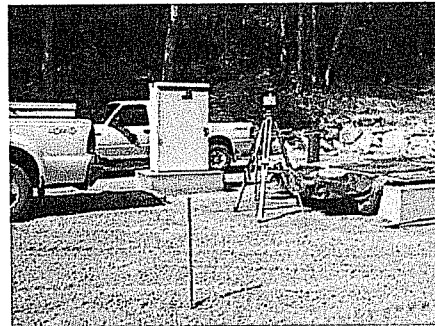
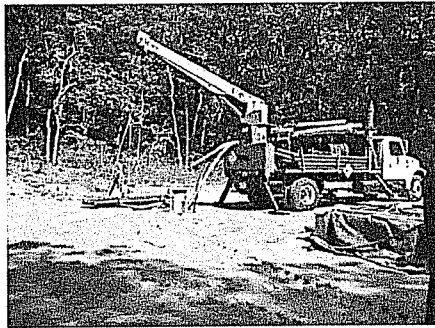
Production capacity for well no. 6 has decreased. On August 18 the flow range for the well was reduced to 330 GPM. As an extra precaution and with reduced demand well no. 6 was taken out of service Sept. 9th.

Well no. 8

The project to construct well no. 8 is near completion. The electrical supply and control work was completed on 09/23 and 09/24 by the Town's integrator (ITS). On the 24th Layne Christensen was on site to witness start up and test flows from the well. The well easily achieved design flow of 350 GPM

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The next step will be the inspection and certification by a PE (Environmental Partners Group) and MA DEP notification.



Miscellaneous

• **Water Management Act Permit**

After a series of emails, the timing and process to renew our WMA Permit was verified with MA DEP. The following list is a *cut and paste* form those emails;

1. Our WMA permit expires 11/30/2010.
2. Permit renewal applications for the Cape Cod Basin will be accepted by DEP from August 1, 2010 through August 31, 2010. Each basin will have an outreach meeting a few months before the application period.
3. If you do your own ASR, I'm guessing you can handle the application. You will need the DCR's projections.

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4. You do not need to request a forecast from DCR. They'll either calculate one automatically, or they'll just agree with the volumes in your original permit.
5. Another clarification from the head of the program, _____, in Boston: "I wouldn't tell them they won't have to do anything. Please don't give them that idea. DCR will contact them for information at some point. Tell them to sit-tight, just don't want them to think the process is effortless."

• **Coliform Testing**

Work continues to establish The Orleans Water Quality Laboratory. A Lab Manual has been started and SOP's are being developed. A full set of 3-positive & negative control samples were successfully tested and the Lab is enrolled in a National Environmental Laboratory Approval Program (NELAP) -Proficiency Test that is required for certification

The Water Dept. is aggressively pursuing Laboratory certification to perform its own bacteriology testing.