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TOWN OF ORLEANS
TOWN CLERKS OFFICE

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

January 7, 2009

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

Those present were Victor Noerdlinger, Kenneth McKusick, Robert Rich, Hank Schumacher and Ann Hodgkinson of the Board, Lou Briganti, Water Superintendent.

Victor Noerdlinger called the Board of Water Commissioners meeting to order at 1:06 p.m.

MINUTES

Ann Hodgkinson made a motion seconded by Kenneth McKusick to approve the minutes of the meeting of December 3, 2008 as written. The vote by the Board was 4-0-1 with Robert Rich abstaining as he was not present at the meeting.

Ann Hodgkinson made a motion seconded by Kenneth McKusick to approve the minutes of the meeting of December 17, 2008 as written. The vote by the Board was 4-0-1 with Robert Rich abstaining as he was not present at the meeting.

SUPERINTENDENT'S REPORT

SEE ATTACHED REPORT

COMMITMENTS/ABATEMENTS/REFUNDS

A motion was made by Kenneth McKusick seconded by Ann Hodgkinson to commit for the month of December 2008 to rate \$0.00, to services \$640.00, to usage \$0.00, to installations \$3,047.84 and to added billing \$382.59. The vote by the Board was 5-0-0.

OTHER BUSINESS

ANNUAL REPORT

The Board reviewed and approved the 2008 report as submitted by Lou Briganti for the Annual Town Report.

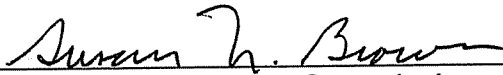
MEETINGS

A motion was made by Kenneth McKusick seconded by Robert Rich to reduce the meetings to once per month on the 1st Wednesday with the understanding that the Chairman could call a seconded meeting on the 3rd Wednesday of the month as needed.

ADJOURNMENT

At 2:09 p.m., a motion was made by Ann Hodgkinson and seconded by Kenneth McKusick to adjourn the meeting. The vote by the Board was 5-0-0.

The next regular meeting is scheduled for February 4, 2009 at 1:00 p.m.

A handwritten signature in cursive script, appearing to read "Susan H. Brown", is written over a horizontal line.

Secretary, Board of Water Commissioners

Board of Water Commissioners

07Jan2009

Renewable Energy / Wind Committee

The BoWC's is invited to attend the January 13th meeting of the Renewable Energy / Wind Committee. This will be a kick off meeting for Weston and Sampson, the engineering firm retained as a result of the Energy Committees recent RFQ.

The consultant will be expected to develop a complete financial analysis and other data necessary to aid the Town in evaluating the costs and benefits of municipal wind power based in the watershed.

Facility 1

After a *brief* email from the Superintendent, ITS is scheduling a crew to be on site Jan. 5th to continue the upgrades to Facility 1.

After getting It has been decided that the upgrades to Facility 1 and the replacement of SCADA1 and SCADA2 along with the upgrade of our RSView software (Rockwell International) will be treated as 1-project.

The SCADA upgrade should take place prior to the programming that will need to be done for the upgrade to Facility 1 (but, stay tuned).

We have a commitment for all work to be completed by January 15 (February 12).

Leak Detection Grant

Back in July the Water Dept. partnered with the Harwich Water Dept. to apply for a grant from the Mass DEP Water Conservation Grant Program. We have received notification that the grant was successful and the full amount of \$36,000 is being awarded.

The monies are to be used to purchase leak detection equipment that will be shared by the 2-Departments.

Meter Tampering

Board of Water Commissioners

Mass Water Works and Barnstable County Water Utilities are combining efforts to change the current fine for meter tampering that is detailed in Mass General Law;

The General Laws of Massachusetts

PART I. ADMINISTRATION OF THE GOVERNMENT

TITLE XXII. CORPORATIONS

CHAPTER 165. WATER AND AQUEDUCT COMPANIES

WATER COMPANIES

Chapter 165: Section 11. Intentional injury to or interference with meter; penalty

Section 11. Whoever unlawfully and intentionally injures, or suffers to be injured, a water meter belonging to a city, town, district, or company engaged in supplying water, or prevents such meter from duly registering the quantity of water supplied through it, or hinders or interferes with its proper action or just registration, or attaches a pipe to a main or pipe belonging to a city, town, district or water company, or otherwise uses or causes to be used the water supplied by a city, town, district or company without the consent of the same, unless it passes through a meter set by such city, town, district or company, shall be punished by a fine of not more than one hundred dollars or by imprisonment for not more than one year, or both.

Gas and Electric Utilities are allowed to impose fines up to \$1,000 for meter tampering. The goal will be to correct the inequity by allowing the same fine for water utilities.

The Board may wish to consider this as "chapter 158" has just been edited.

NSTAR Electric

A review of the Dept.'s NSTAR accounts has revealed;

1. The Water Dept. electric accounts are no. 33 – Small Commercial User.
2. NSTAR does not analyze business rates for customers. They suggest hiring a consultant.

Board of Water Commissioners

3. NSTAR will examine an account if specifically requested. There can be a down side whereby NSTAR assigns a more expensive business rate if there has been a classification error (verified by Cape Light Compact).
4. Having contacted 2-consultants there is little interest in just reviewing accounts and rate schedules.
5. The Cape Light Compact verified that the Water Dept. accounts are G-1 which is the rate determined by the Compact. Well 7 may be an exception and if there is an error, the account will be corrected.
6. Two years of electric data was emailed to the Cape Light Compact. They will "try" to have someone look at the Dept.'s accounts to assist with finding any options.

WTP

Integrity Test (IT)

Rack no. 2 has passed successive integrity tests after hand tightening numerous connections. Likely the result of temperature and/or vibration.

Rack no. 2 failed its IT on 11/21. The rack subsequently passed and a week later, again failed its IT. It appears that we will need to track down an intermittent air leak, @.

Membrane Performance

With 1-year having passed since the aggressive chemical cleanings of each membrane rack, I have prepared a tentative schedule for 2009. Our plan will be to complete this year's aggressive cleans by March.

I am documenting performance, working with EPG and maintaining communication with Pall Corp.;

From: Louis Briganti

Sent: Friday, December 26, 2008 12:23 PM

To: Pall, Lance M. Benjamin (lance_benjamin@pall.com)

Cc: 'Karl Britt'; 'Steve Watson'; Stephen Olson; Louis Briganti

Subject: orleans status

Attachments: owd.PermSumm_Pall2008.12.26.xls

Hi Lance. Hope all is well.

I'm writing with an important question and some information intended as an update.

Board of Water Commissioners

Since January of 2007 I have kept records of permeability (gfd/psid @ 20 °C) before and after chemical cleanings for each membrane rack. This was the performance measure recommended by Pall Corp. at that time.

Having completed 2% Citric Acid-CIP's for all three racks between 11/13 and 12/04/2008, it would appear that performance is increasingly deteriorating. After the most recent CIP, the rack's permeability increased from 2.36 to 5.13.

At this point I am making the assumption that it is time for the aggressive cleaning procedures that were previously recommended. The membranes were last cleaned with Citric Acid, followed by Potassium Hydroxide & Sodium Hypochlorite, followed by Citric Acid at the very start of 2008 (January to March).

I am writing to request the Clean In Place (CIP) regimen for Orleans that is considered official by Pall Corp. My preference is to be overly cautious and I would like to be sure that we are on the "same page" before any CIP's are done in 2009. If my memory is correct, I believe the aggressive cleaning procedures were considered as draft format pending performance data.

I have attached the spreadsheet of performance data that we have worked with in the past – with updated data. In terms of operating parameters, wastewater has not been recirculated since July of 2007 when production was severely impacted by membrane performance. Iron concentrations have remained well below 1 ppm while manganese is not detectable.

As always, thank you for your guidance and assistance.

Regards,
Lou Briganti

Well no. 8

- The application to construct well no. 8 was submitted to MA DEP 12/05/2008. Environmental Partners Group (EPG) forwarded completed copies of the plans along with the application. The plans were done in such a way as to help facilitate bidding of portions of the work.
- MA DEP acknowledged receipt of the application on 12/16;

Town of Orleans
Water Department

Lou Briganti
1/2/2009

Board of Water Commissioners



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

RCV
12/18/2008

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

LAURIE BURT
Commissioner

December 16, 2008

Louis Briganti, Superintendent
Orleans Water Department
19 School Road
Orleans, MA 02653

re: ACKNOWLEDGEMENT OF PERMIT APPLICATION RECEIPT
Application for: BRPWS20
CONSTRUCT SOURCE 70 GAL/MIN GREATER

at: 19 School Road
Orleans, MA

Transmittal Number: X225674

Dear Mr. Briganti:

Your application for the permit listed above has been received. In accordance with 310 CMR 4.04 the Department has 72 days from 12/09/08 to complete its review and issue a decision to grant or deny the application.

Provided your application is administratively complete, technically adequate, and none of the contingencies outlined in 310 CMR 4.04 arise, the Department will issue a final decision within the timeframes listed above.

Demonstrating compliance with MEPA is necessary for a complete application. If you have not completed Section E. (Permit-Project Coordination) on the Transmittal Form you submitted with this application please provide any missing information to the reviewer identified below. Incomplete MEPA information may result in a determination that the application is deficient.

This information is available in alternate format. Call Donald M. Gomez, ADA Coordinator at 617-556-1057, TDD# 866-539-7622 or 617-574-6268.


DEP on the World Wide Web: <http://www.mass.gov/dep>

Printed on Recycled Paper

Board of Water Commissioners

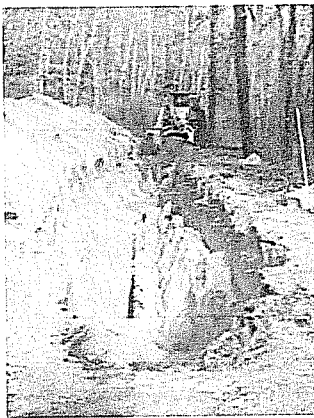
All future correspondence regarding your application should include the transmittal number listed above. For information regarding the status of your permit please contact the Project Reviewer, Michael Quink at (508) 946-2766.

Sincerely,


Lori J. Rogers
Permit Administrator

cc: Stephen C. Olson, PE
Environmental Partners Group, Inc.
1900 Crown Colony Drive, Suite 402
Quincy, MA 02169

- o Another 300 feet of main has been installed on the way to well no. 8.



Miscellaneous

- o Classification & Compensation analysis by D.I. Jacobs Consulting, Inc.
Prepared a current- organizational chart and reviewed & provided comments to the job descriptions prepared for each Dept. staff member.

Each member of staff has been provided with a draft job description prepared by D.I. Jacobs Consulting, Inc. and subsequently interviewed for accuracy and comment.

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- DPW-Organizational Analysis by Matrix Consulting Group.

A draft report by the organizational consultants was forwarded to managers on 12/01. The report is to be presented to the BOS on 12/03. The Water Dept. provided significant comments to the administration.