



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

AMENDED
WATER CONSERVATION PLAN APPROVAL

September 6, 2012

Tilton Realty Trust
c/o Peter Knox
2005 Mass Ave
Lunenburg, MA 01462

RE: New Hampton – Mansfield Woods (PWS ID #: 1692030)
Amended Water Conservation Plan, August 2012, Design #996145

Dear Mr. Knox:

On February 28, 2006, the Department of Environmental Services (“DES”) Drinking Water and Groundwater Bureau approved a Water Conservation Plan for Mansfield Woods. On August 30, 2012, DES received an Amended Water Conservation Plan for the system. The purpose of this letter is to approve the Amended Water Conservation Plan (the “Amended WCP”) dated August 2012, per the following conditions:

1. Ongoing three year compliance reports shall be submitted every three years from the date of the original Water Conservation Plan Approval, February 28, 2006. Assuming the system remains active or is reactivated prior to the due date, the first compliance report will be due on **February 28, 2015**.
2. Revisions to the Amended WCP shall not be implemented without further approval from DES.
3. Mansfield Wood will report total monthly water use on a quarterly basis to the DES Water Use and Registration Program. Mansfield Woods has been assigned WU ID # 20940.

A copy of the Amended WCP and the *Water Conservation Plan Ongoing Compliance Form* may be located by going to the DES website, www.des.nh.gov, clicking on the “A-Z List” in the top right corner of the page, and scrolling down to Water Conservation.

Please feel free to contact me with any questions at (603) 271-0659 or via e-mail at stacey.herbold@des.nh.gov.

Sincerely,


Stacey Herbold
Drinking Water and Groundwater Bureau

cc: Kevin LaFleur, Primary Operator
Steve Schwed, Thunderwell & Pump

Amended
Water Conservation Plan
New Hampton
Mansfield Woods

August 2012 ~~Guidance Document~~
~~for New Community Water Systems~~



~~July 2011~~

Insert PIP Document Number

~~Water Conservation Plan Guidance Document
for New Community Water Systems~~

~~July 2011~~

~~New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095
www.des.nh.gov~~

~~Thomas S. Burack
Commissioner~~

~~Harry T. Stewart
Director, Water Division~~

~~Sarah Pillsbury
Administrator, Drinking Water and Groundwater Bureau~~



~~Prepared by:~~

~~Derek Bennett and Stacey Herbold
Drinking Water and Groundwater Bureau~~

I. Introduction

A. Contact Information

1. Name and location of system.

Mansfield Woods

New Hampton

(Take 93N to Exit 23. Take RT onto Route 104. Take Lt onto Rt 132. Mansfield Woods is a few hundred feet up on the left.)

2. Owner of system and mailing address.

Tilton Realty Trust

Peter Knox

2005 Mass Ave

Lunenburg, MA. 01462

978-582-6612

3. Project Contacts

Kevin LaFleur

2005 Mass. Ave.

Lunenburg, MA 01462

978-582-6612

Krlhomes@aol.com

Steve Schwed

Thunderwell & pump

P.O. Box 1311

Merrimack, NH 03054

603 493 7920

thunderwellandpump@yahoo.com

B. System Overview

1. Number of connections proposed for each of the following classes:

a) Residential: **48 units**

(65+ community)

II. System Side Management

A. Source Meters

1. Name designation of each water source.

BW 1 and BW 2

2. Meter make, model, size, and flow range for each new water source (if known).

Sensus SR 1”

3. Frequency that source meters will be tested/calibrated.

Every 2 years.

4. Frequency that source meters will be read (at least every 30 days).

Twice a month.

5. **Source meters will be selected, installed, and maintained in compliance with “Manual of Water Supply Practices M6, Water Meters-Selection, Installation, Testing, and Maintenance,” (American Water Works Association, 1999).**

B. Service Meters

1. **All service connections will be metered upon system startup.**
2. **Frequency that service meters will be read (at least every 90 days). Every 30 days and on same day as source meter reading.**
3. **Description of all methods that will be used to read service meters. Touch pad or radio read.**
4. **Proposed rate of meter testing and/or meter change out. 10 years.**
5. **Service meters will be selected, installed, and maintained in accordance with “Manual of Water Supply Practices M6, Water Meters-Selection, Installation, Testing, and Maintenance,” (American Water Works Association, 1999).**

C. Water Accounting

1. **Frequency that the water audit will be conducted. The percentage of unaccounted for water (the difference between the water pumped and the customer usage) will be calculated once in the winter and once in the summer. If percentage of unaccounted for water exceeds 15%, the system will submit to DES within 60 days a response plan (with a leak detection survey) identifying how the system will reduce unaccounted for water.**

D. Leak Detection

1. **Will future leak detection surveys be conducted in-house or contracted out? Not sure yet.**
2. **Comprehensive leak detection survey rate: A leak detection survey will be conducted yearly.**
3. **Leak detection will be conducted in accordance with “Manual of Water Supply Practices M36, Water Audits and Loss Control Programs” (American Water Works Association, 2009).**
4. **Leaks will be repaired within 60 days of discovery unless a waiver is obtained in accordance with Env-Wq 2101.09.**

E. Pressure Management

1. **What are the design pressures of the system? Max is 80 psi**

III. Consumption Side Management

A. Conservation Rate Structure and Billing

1. **Description of proposed rate structure.**

Base rate:

<u>Meter Size</u>	<u>Rate</u>
5/8"	\$20.00
3/4"	\$25.00
1"	\$35.00

Additional Usage Rate:

\$3.50 per 100 cubic feet (1 to 2,000 cubic feet)
\$5.00 per 100 cubic feet (In excess of 2,000 cubic feet)

Note* 100 cubic feet = 748 gallons

2,000 cubic feet over thirty days equals 498 gallons per day

- 2. Proposed billing frequency (minimum is quarterly). **Bills will be issued monthly.**
- 3. Informative billing practices to be used (ex. water use in gallons / usage history). **Bills will show customers how much water they have used monthly.**

B. Educational Outreach Initiative

- 1. Informational materials that will be used:

DES Water Efficiency Fact Sheets

<http://des.nh.gov/organization/commissioner/pip/factsheets/dwgb/index.htm#efficiency>

EPA WaterSense materials

http://www.epa.gov/watersense/our_water/learn_more.html

- 2. Rate of dissemination. **Twice a year.**

IV. Reporting and Implementation

- 1. **The water system will report monthly production volumes on a quarterly basis to the DES Water Use and Registration Program. Mansfield Woods has been assigned WU ID # 20940.**
- 2. **The water system will submit a form supplied by DES once every three years documenting how compliance with the requirements of Env-Wq 2101 is being achieved.**
- 3. **Activities outlined in the water conservation plan will be completed by water system personnel under the supervision of a certified water system operator.**

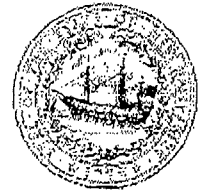
I certify that I have read this Water Conservation Plan, understand the responsibilities of the water system as referenced in the plan, and that all information provided is complete, accurate, and not misleading.

Owner Name (print): Tilton Realty Trust

Owner Signature: Peter C. King Trustee Date: 8/30/12



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

Online Water Use Reporting Now Available

You are receiving this message because you are the point of contact for one or more facilities that are registered with the Water Use Registration & Reporting Program.

The Department recently completed development of a tool for online water use reporting. Electronic reporting will decrease costs in the form of postage and paper, increase accuracy by eliminating DES error during data entry, eliminate lost and /or missing water use reports, and increase our ability to provide customer service in the form of reminders and receipts.

Instructions for using the reporting tool may be found by:

- Visit the DES home page <http://des.nh.gov/index.htm>
- Click on A to Z list (upper right hand corner of the page)
- Scroll to the bottom of the page and click on the link titled "Water Use Registration and Reporting Program"

There will be two documents listed under "Hot Topics". The first document discusses how to register as a data provider which is needed to begin using the tool. The second describes how to use the different reporting features.

If you have difficulty downloading the documents or prefer to receive them directly, please send an email to derek.bennett@des.nh.gov and I will reply with the documents as attachments. We did not include copies in this mailing to reduce the volume of paper needed.

Significant effort was put forth to make the application as user-friendly as possible. However, we will hold training events here at the DES offices for those of you that are interested. Although our staff resources are limited, we can also visit with as many of you as possible to help with registration and use of the application.

Thank you for your time. We hope that you find the tool helpful. Please contact me with any questions.

Derek Bennett
Water Use & Conservation Program
Phone: 271-6685
Fax: 271-0656
Email: derek.bennett@des.nh.gov

DES Web Site: www.des.nh.gov

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095
Telephone: (603) 271-2513 Fax: (603) 271-5171 TDD Access: Relay NH 1-800-735-2964

August 8, 2012

WATER USE REPORT

Please return to: DES - Drinking Water and Groundwater Bureau
PO Box 95
Concord, NH 03302-0095
PHONE: (603) 271-6685 FAX: (603) 271-5171 E-MAIL: Derek.Bennett@des.nh.gov

IDENTIFICATION NUMBER: 20940
FACILITY: MANSFIELD WOODS
TYPE OF USE: WATER SUPPLIER

KEVIN LEFLEUR OPERATOR

2005 MASS AVE
LUNENBURG MA 01462

PHONE: 978-582-6612
EMAIL:

ARE CORRECTIONS NEEDED?

CONTACT PERSON: _____ TITLE: _____
COMPANY NAME: _____ MAILING ADDRESS: _____
TELEPHONE NUMBER: _____ E MAIL ADDRESS: _____
PERMITS HELD
PUBLIC WATER SUPPLY#: 1692030
OTHER: _____

Add new source and/or destination: _____

PLEASE FILL IN THE WATER USE AMOUNT AT THE END OF EACH MONTH FOR EACH SOURCE AND DESTINATION LISTED BELOW

SOURCE: BRW 1
ID#: 20940-S01
IDENTIFICATION NUMBER: 20940
FACILITY: MANSFIELD WOODS

	TOTAL WATER USE FOR THE MONTH	DAILY MAXIMUM FOR THE MONTH	DATE OF DAILY MAX
JULY 2012	_____ Gallons	_____ Gallons	_____
AUGUST 2012	_____ Gallons	_____ Gallons	_____
SEPTEMBER 2012	_____ Gallons	_____ Gallons	_____

METHOD OF MEASUREMENT:

Meter _____ Calibration Date _____
Weir _____
Other (Describe) _____