



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

WATER CONSERVATION PLAN EXEMPTION

May 13, 2015

David Bernier
North Conway Water Precinct
PO Box 630
North Conway, NH 03054

RE: North Conway – North Conway Water Precinct (PWS ID# 0511030)
Water Conservation Exemption

Dear Mr. Bernier:

Pursuant to RSA 485:61 and Env-Wq 2101, *Water Conservation* rules, on February 15, 2007, the Department of Environmental Services Drinking Water and Groundwater Bureau (“DES”) received a water conservation plan (the “WCP”) for North Conway Water Precinct (“NCWP”) located in North Conway, New Hampshire. On March 6, 2007, DES issued a Water Conservation Plan Approval to NCWP. NCWP has been implementing the WCP since.

Pursuant to 485-C:21-a, DES may grant a renewable exemption from Env-Wq 2101 to a municipality with a water balance of less than 15% water losses. On March 23, 2015, DES received a request from NCWP for an exemption to Env-Wq 2101.

Based on the submitted information, DES has determined the following:

1. In 2014, NCWP reported a water balance of 32,626,747 gal, equal to 12.46% of the system input volume; and
2. All meters used to measure system input volume have been tested and calibrated within the past year.

Based on the data provided, DES approves the exemption to Env-Wq 2101 with the following conditions:

1. **Annually, by March 1**, NCWP shall report a water balance to DES for the previous year using the online water balance reporting tool
2. **Every three years from March 1, 2014**, NCWP shall provide documentation to DES indicating that the meters used to calculate the system input volume have been tested and calibrated at the minimum rate as indicated below:

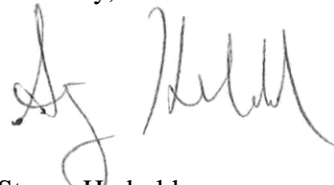
Meter Size (inches)	Testing Rate (yr)
<1"	10 yrs
1" - 2"	4 yrs
3"	2 yrs
>3"	1 yr

3. If NCWP's yearly water balance exceeds 15% of the system input volume, NCWP shall implement the Water Conservation Plan and comply with Env-Wq 2101.

The electronic *Annual Water Balance Reporting 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.herbald@des.nh.gov.

Sincerely,



Stacey Herbold
Water Conservation Program
Drinking Water and Groundwater Bureau



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

March 6, 2007

Jennifer Osgood
Camp Dresser & McKee, Inc.
670 N. Commercial St., Suite 201
Manchester, NH 03101

**RE: Draft Water Conservation Plan
Preliminary Large Community Well Siting/Groundwater Withdrawal Permit Application
Proposed Water Supply Well #6, North Conway Water Precinct, EPA ID 0511030
North Conway, New Hampshire**

Dear Jennifer Osgood:

The New Hampshire Department of Environmental Services (DES) has reviewed a document titled "Draft Water Conservation Plan" dated November 2006 and received February 15, 2007 as Appendix B of a document titled "Preliminary Report for a Proposed 1.44 MGD Municipal Water Supply Well, North Conway Water Precinct, Conway New Hampshire" (Preliminary Application) prepared by Wright-Pierce dated January 2007. This letter provides review comments regarding the Draft Water Conservation Plan in accordance with New Hampshire Administrative Rules Env-Ws 390, *Water Conservation Rules*.

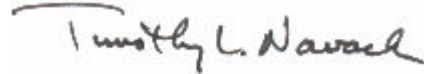
DES approves the Draft Water Conservation Plan with the following conditions:

1. Please note that public notification must be completed in accordance with Env-Ws 390.11 which requires a copy of the Water Conservation Plan (WCP) be provided via certified mail to the governing board of: a) the municipality in which the new source is located; b) all municipalities that receive water from the system; and c) all wholesale customers of the water system. It is also required that a copy of the WCP be provided via certified mail to the regional planning commission. DES must be provided copies of the certified mail return receipts prior to approval of the Preliminary Application in accordance with Env-Ws 390.10(b).
2. Copies of the WCP sent to the entities requiring notification need to be accompanied by a summary of the water conservation rules, and a request that local approvals associated with new development within the service area of the system promote water conservation practices. In order to assist systems to comply with WCP public notification requirements, DES has developed a water conservation rule summary available at http://www.des.nh.gov/pdf/summary_of_water_env-ws_390.pdf; and a sample cover letter to accompany the WCP (attached). These items are provided for the convenience of your water system and there is no obligation to use these specific forms.

3. Provide to DES once every three years from the date of this letter an explanation of how compliance with the Water Conservation Rules (Env-Ws 390) is being achieved.

If you have any questions about this letter or any other groundwater permitting issues, please contact me at 271-8866 or tnowack@des.state.nh.us, or Derek Bennett at 271- 6685 or dbennett@des.state.nh.us.

Sincerely,



Timothy L. Nowack, PG
Hydrogeologist
Drinking Water and Groundwater Bureau

Attachment: Example Cover Letter for Public Notification of Water Conservation Plans

cc: David Bernier, North Conway Water Precinct
Stephen Roy, DES
Derek Bennett, DES

Received 2/15/2007

DRAFT

WATER CONSERVATION PLAN

prepared pursuant to

Env-Ws 390, *Water Conservation Rules*

as required for a proposed

1.44 MGD Municipal Water Supply Well

North Conway Water Precinct

Conway, New Hampshire

November, 2006

North Conway Water Precinct Draft Water Conservation Plan

In accordance to NHDES Administrative Rule Env-Ws 390, *Water Conservation Rules*, effective May 13, 2005, the North Conway Water Precinct (NCWP) will conduct the following water conservation measures subsequent to approval of the proposed 1.44 MGD well (NCWP Well #6).

- 1) In accordance to Env-Ws 390.05 (b), the NCWP is 100% metered. These meters are installed on services that supply water to public sector customers and private sector customers. Water meters are installed on all sources of water to the NCWP. The size of the water meters is based on manufacturer specifications (Env-Ws 390.05 (c)).
- 2) The water meters were selected, installed and maintained as described in "Manual of Water Supply Practices, Water Meters-Selection, Installation, Testing and Maintenance", document identification number AWWA M6, 1999. (Env-Ws 390.05 (d)).
- 3) Meters to water service customers are read at least once ever 90 days. (Env-Ws 390.05 (e)). Meters on water supply sources are read at least once every 30 days (Env-Ws 390.05 (f)).
- 4) The NCWP will conduct a water audit and leak detection program within one year of obtaining approval for NCWP well #6. This water audit and leak detection program will be conducted as described in " Manual of Water Supply Practices, Water Audits and Leak Detection", document identification number AWWA M36, 1999 (Env-Ws 390.05 (g)).
- 5) The NCWP will repair all leaks found during the water audit and leak detection program within 60 days of their discovery. This requirement may be waived in accordance with Env-Ws 390.09: (Env-Ws 390.05 (h)).
- 6) The NCWP will estimate the volume and percentage of unaccounted-for water in the water system once every year using methods and procedures as described in AWWA manual M36, 1999, as referenced in task #4 above. (Env-Ws 390.05 (i))
- 7) If the water audit conducted in task #4 above indicates the percent of unaccounted-for water exceeds 15 % of the water introduced into the water system, then NCWP will prepare and submit a response plan to NHDES within 60 days of the completion of the water audit. This response plan will describe activities the NCWP will conduct to reduce the percentage of unaccounted-for water to below 15% within 2 years. Leaks repaired as part of task #5 will not be part of this response plan. (Env-Ws 390.05 (j & k))
- 8) Upon receipt of NHDES approval of the response plan, NCWP will conduct the activities outlined in the response plan following the approval schedule. (Env-Ws 390.05 (m))

9) The NCWP already has a pressure reduction system implemented in the water system that is consistent with water system industry standards and regulation and consistent with other public health and safety considerations. (Env-Ws 390.05 (n))

10) The NCWP has adopted a rate structure that promotes conservation within 5 years of NHDES approval of well #6. The rate structure is based on unit price of water and the quantity used by each water customer. The unit price of water for residential customers shall remain the same or increase with the volume of water consumed. (Env-Ws 390.05 (o))

11) The NCWP is performing water conservation educational outreach/initiative using information and materials available from NHDES. The NCWP will conduct public notification activities and outreach activities as required by Env-Ws 390.11. The NCWP will also conduct a water conservation educational outreach initiative for its customers upon obtaining approval for well # 6. (Env-Ws 390.05 (p)).

12) Activities outlined in this conservation plan will be completed by NCWP personnel under the direction of a water system operator that has been certified pursuant to Env-Ws 367. (Env-Ws 390.05 (q)).