



AQUARION

Water Company

RECEIVED
MAR 21 2016

Aquarion Water Company of New Hampshire
7 Scott Drive
Hampton, NH 03842
603-926-3319 phone

www.aquarionwater.com

Quality Water for Life®

March 18, 2016

Paul Apple
Town Administrator
Town of North Hampton
233 Atlantic Avenue
North Hampton, NH 03862

Dear Mr. Apple,

I write to inform you that Aquarion Water Company will be performing source water protection surveys this year. Providing safe drinking water begins with ensuring that raw water sources are protected against contamination. This in turn reduces treatment costs, and chemical monitoring and other regulatory costs. The enclosed map shows our source water protection area as delineated by New Hampshire Department of Environmental Services (DES), which includes portion of the Town of North Hampton.

The source water protection program includes educational mailings that provide information to homeowners and businesses to minimize the risk of releasing regulated substances to the environment that may cause source water contamination. Under DES guidelines, businesses using more than household quantities of regulated substances are classified as Potential Contamination Sources (PCSs). On-site surveys of PCS facilities must be performed once every three years, and were last conducted in 2013. Each PCS survey is done on an appointment basis to observe compliance with state administrative rule, Env-Wq 401, Best Management Practices for Groundwater Protection. The attached DES Fact sheet gives an overview of the BMP rules.

PCS surveys in North Hampton will be performed by our contractor, Geosphere Environmental Management this spring and summer. Following each survey we will send a summary letter to the PCS and a copy to you as well.

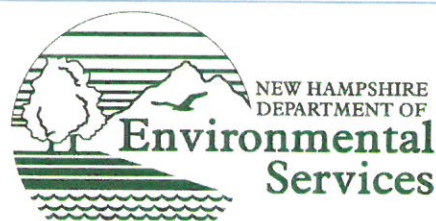
Please share this information with your select board, conservation commission and other appropriate municipal agencies and officials. Thank you for your cooperation with our efforts to protect our valuable sources of public drinking water. Please contact me at (603) 926-3319 x 116 or at cmcmorran@aquarionwater.com if you have any questions or concerns about this matter.

Sincerely,
Aquarion Water Company of New Hampshire

Carl McMorran
Operations Manager

Enclosures: DES fact sheet WD-DWGB- 22-4; Protection area map

ENVIRONMENTAL Fact Sheet



29 Hazen Drive, Concord, New Hampshire 03301 • (603) 271-3503 • www.des.nh.gov

WD-DWGB 22-4

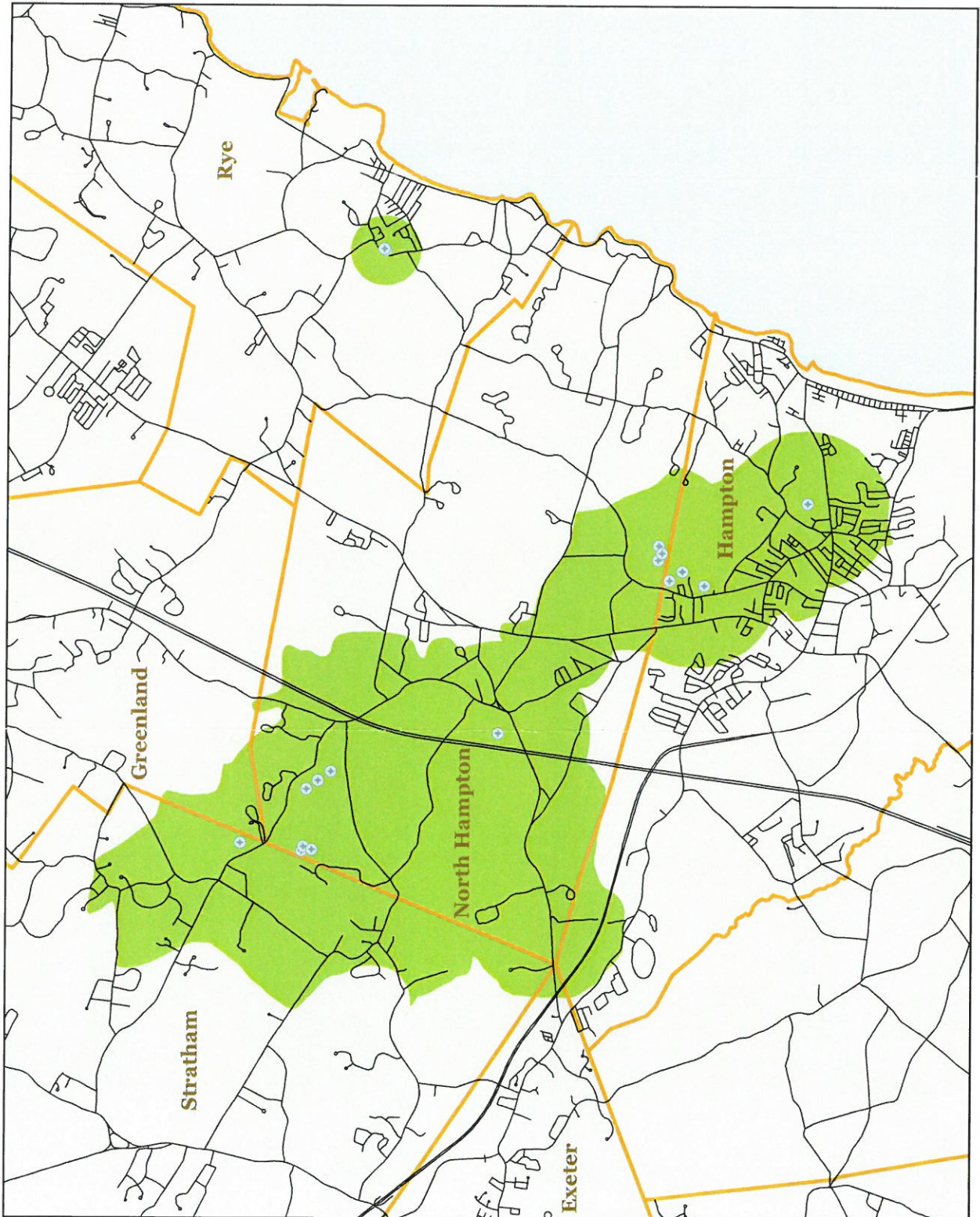
2009

Best Management Practices (BMPs) for Groundwater Protection

Sixty percent of New Hampshire residents rely primarily on groundwater for their drinking water. Recognizing the importance of protecting the natural quality of groundwater, the legislature passed the Groundwater Protection Act (RSA 485-C) in 1991. This legislation recognized that a wide variety of activities involve the use of materials that can, if not properly handled, contaminate groundwater. There have been numerous instances of groundwater contamination in New Hampshire from leaking storage facilities, improper waste disposal, accidental spills, and even from normal use of these materials. Potentially contaminating substances can be more safely managed if certain basic guidelines are followed. The Groundwater Protection Act directed the N.H. Department of Environmental Services to adopt rules specifying best management practices (BMPs) for the Potential Contamination Sources (PCSs) listed below.

DES developed and adopted N.H. Code of Administrative Rules Part Env-Wq 401 Best Management Practices for Groundwater Protection, (formerly Env-Ws 421) which apply to all potential contamination sources in the state. The BMPs within the rules are essentially common-sense operating practices that are simple and economical to implement. The purpose of the BMPs is to help prevent a release of regulated substances. Regulated substances include oil, as defined under RSA 146-A, III, regulated contaminants established pursuant to RSA 485-C:6, and hazardous substances listed under federal regulations at 40 CFR 302. Cleaning up the release of a regulated substance can be very expensive. Following the BMP rules reduces environmental liability and minimizes potential cleanup costs.

Potential Contamination Sources (PCSs) ¹	
<ul style="list-style-type: none">• Vehicle service and repair shops• General service and repair shops• Metalworking shops• Manufacturing facilities• Underground and above-ground storage tanks• Waste and scrap processing and storage• Transportation corridors• Septic systems (at commercial and industrial facilities)• Laboratories and certain professional offices (medical, dental, veterinary)	<ul style="list-style-type: none">• Use of agricultural chemicals²• Salt storage and use• Snow dumps• Stormwater infiltration ponds or leaching catch basins• Cleaning services• Food processing plants• Fueling and maintenance of earth moving equipment• Concrete, asphalt, and tar manufacture• Cemeteries• Hazardous waste facilities
¹ As identified in New Hampshire's Groundwater Protection Act (RSA 485-C)	
² Subject to BMPs developed and administered by NH Dept. of Food, Agriculture, and Markets	



Aquarion Water Company
7 Scott Road
Hampton, NH

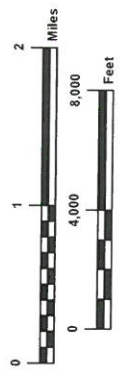


Wellhead Protection Areas (WHPA)

Existing Production Wells
PWS ID: 1051010-012, 013, 014,
015, 016, 017, 018, 019

Legend

- Aquarion Production Wells
- Wellhead Protection Areas



Map Modified By: C. Hanson
March 18, 2016
Prepared For: Aquarion Water Company
Project No.: 16207
N:\16207\BMP 2016



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

Thomas S. Burack, Commissioner



April 4, 2016

Via email

Carl McMorran
Aquarion Water Company of New Hampshire
7 Scott Road
Hampton, NH 03842
cmcmorran@aquarionwater.com

ACQUISITION OF WIGGIN FARM / WINTERBERRY WATER SYSTEM (PWS 2232180) – TECHNICAL APPROVAL

Re: PWS 2232180 – Approval of Acquisition of Wiggin Farm Water System by Aquarion Water Company (**PWS 1051010**) to **correct system deficiencies relating to available source water capacity to meet system needs.**

Dear Mr. McMorran:

The New Hampshire Department of Environmental Services (NHDES), Drinking Water and Groundwater Bureau (DWGB) has reviewed and hereby conditionally APPROVES your submittal dated January 27, 2016, and subsequent follow-up correspondence concerning your proposed acquisition of the assets and operation of the Wiggin Farm/Winterberry Water System (WWWS). The acquisition of WWWS as proposed will satisfy the deficiencies pertaining to the ability of this system to meet its source water obligations under Env-Dw 405.12.

A. Under the planned acquisition, Aquarion will perform the following:

1. Acquire all of the water system assets and customer base associated with WWWS including their wells, pump house, distribution system, and storage tank.
2. Install approximately 65 feet of 4-inch diameter ductile iron water main adjacent to Winterberry Road at the North Hampton, Stratham town line which will connect your existing 12-inch ductile iron water main that parallels the town line with an existing 4-inch diameter PVC water main owned by WWWS.
3. Install meters in each customer location currently served by WWWS.
4. Transition WWWS customers from the WWWS water supply to the Aquarion water supply.
5. Once the two systems are connected, tested, and ready for operation, deactivate the existing components of the current WWWS system including the pump house and storage tank.

B. The approval is conditional upon the following:

1. Since this interconnection will be crossing town lines from North Hampton into Stratham, Aquarion shall obtain approval from the New Hampshire Public Utilities Commission (PUC) to ensure compliance with RSA 362:4. This office shall be copied on all correspondence associated with obtaining approval from the PUC.
2. Notification of this office at least three business days prior to performing the physical interconnection between the two systems described in Paragraph A.2, above, so that NHDES can, subject to availability, assign either an engineer or sanitary surveyor to

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

Carl McMorran
Aquarion Water Company of New Hampshire
PWS 2232180
April 4, 2016

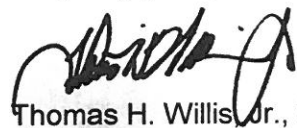
inspect the interconnection between the two systems to ensure it is constructed in accordance with "Wiggin Farm Interconnection Plan" prepared by Tighe and Bond, Inc. dated February 23, 2016.

3. After the interconnection is made between the WWWS and Aquarion system, access the point of distribution located outside the WWWS pump house and sever at least a one foot section of distribution pipe so that the supply infrastructure associated with the WWWS system is physically separated from the Aquarion system. Ensure that the distribution side of the severed connection is valved and dead-ended with either a restrained cap or blow off.
4. A digital photograph showing the disconnection along with a sketch diagram showing the location of the severing of the distribution system shall be prepared and submitted to NHDES. The location of the severed pipe shall be marked by at least three swing ties to fixed positions in the vicinity of the disconnection point. This location should also be marked using coordinates obtained by a geographical positioning system device.
5. Flush the entire WWWS distribution system with water from the Aquarion System to minimize the mixing of water types and possible reaction within the distribution system.
6. Disinfection and flushing of all new piping in accordance with AWWA C-651 or C-652.
7. If the water supply wells shall no longer be used by the system or Aquarion or any other party, they shall be decommissioned in accordance with We-600.
8. At least 14 days prior to performing the switch over from WWWS to Aquarion, Aquarion shall notify each new customer of the impending acquisition by mail and enclose a copy of the most recent consumer confidence report so each customer is aware of the source and quality of the water they will be receiving.
9. **Within 24 hours of the tie-over** being effective, notify NHDES in writing (e-mail to the undersigned) of the fact that service has been transferred, so that the necessary data management updates can be performed, formally disestablishing WWWS as a public water system and all monitoring responsibilities and reporting (e.g. population served, service connections, etc.) to Aquarion can be updated.

Under the current corrective action plan, the system shall be tied over by June 3, 2016.

Please contact me via email at Thomas.willis@des.nh.gov or via telephone 603-271-2953, with any questions or concerns with the conditions of approval whether there will be delays to the deadline to implement the corrective actions.

Very truly yours,



Thomas H. Willis Jr., PE.
Small Systems Engineering and Design Review
Drinking Water and Groundwater Bureau

ec: Steve Roy, Wiggin Farm Homeowners Association
Stephen Cook, Wiggin Farm Homeowners Association
Bernard Rousseau, Pennichuck Water Company
Mark Naylor, NHPUC
Rick Skarinka, Cynthia Klevens, Steve Roy, Emily Jones, NHDES