



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

Thomas S. Burack, Commissioner



July 5, 2012

Thomas Mason
Lakes Region Water Company
420 Gov Wentworth Hwy
Post Office Box 389
Moultonborough, NH 03254

**Subject: CWS MOULTONBOROUGH; Paradise Shores; PWS ID: 1612010
Mount Roberts Wells 2 & 4; NHDES #999638**

Dear Mr. Mason:

The purpose of this letter is to conditionally approve the subject wells for the Paradise Shores water system in Moultonborough. This decision is based on a review of the June 1, 2012 final report submitted to meet the requirements of New Hampshire Administrative Rule Env-Dw 301, *Small Production Wells for Small Community Water Systems*. This approval is subject to the following conditions.

In light of pending decisions by a.) the NH Public Utilities Commission and b.) the connected water system [Suissvale] served by Paradise Shores; NHDES has deferred the requirement for the water system to own or control the land on which the Mt. Roberts wells reside [per the requirements of Env-Dw 301.06(d) / 302.06(d)] and their associated sanitary protective areas (SPA). This deferral is based on the fact that the need for these wells may be tied to those pending decisions. As such:

- As such, within 60 days of this approval letter, LRWC shall obtain from the owner of the property of the Mt. Roberts wells an *acknowledgement letter* whereby the owner concurs with the property's use by LRWC for water supply wells, and will restrict activities on the property to that use. And;
- Within two years of the pending NHPUC decision on issues related to LRWC, the company shall obtain ownership or perpetual control (through an easement) of the well sites and their respective SPA's and shall comply with the provisions of the Env-Dw 301.06/302.06. Failure to comply with the well ownership/control provision of the rule by the end of the two year period may jeopardize LRWC's continued use of the wells. The NHDES shall revisit this condition, as necessary, based on NHPUC's decision when it is issued.

NHDES notes that observations during the pumping tests conducted on the subjects wells indicate a substantial hydraulic connection exists between the two wells. As such, LRWC should consider instrumenting each well's stilling tube with a water level

recording device and periodically review the collected records. Such monitoring data will enable LRWC to track long-term performance of the two wells under typical use conditions and conduct well maintenance on an as-needed basis, in order to maintain well yields over time.

A copy of this letter should be kept on file with the water system's records for future reference and as an aid to meeting the NHDES source water protection requirements.

Source Specifications:

Well Number	Well Status	Permitted Production Volume	Sanitary Protective Area Radius	Wellhead Protective Area	Source Description
Mt. Roberts BRW 2 (008)	New Well on Existing System	*57,599 gallons	200 feet	3600 feet	Mt. Roberts BRW 2, 620' SE of Mt. Roberts pumphouse
Mt. Roberts BRW 4 (010)	New Well on Existing System	*57,599 Gallons	200 feet	3600 feet	Mt. Roberts BRW 4, 865' NE of Mt. Roberts pumphouse
* The Permitted Production Volume for the well field shall not exceed <u>57,600 gallons in any 24-hour period</u> regardless of joint or individual use of the wells.					

The sanitary protective areas (SPA) for the new wells are circles, centered on each well, with the radii listed above. The sanitary protective areas shall remain in a natural state and under the water system's control at all times.

The Wellhead Protection Areas for the new wells are circles, centered on each well, with the radius shown above. This is the area within which educational materials must be periodically distributed as part of the wellhead protection program. The educational materials ***must be distributed at the next regularly scheduled mailing in April 2013.***

If not already issued, the chemical monitoring staff will contact you with a Master Sampling schedule. The water system must add a sampling tap to the new well and must contact staff so that the schedule will accurately reflect the correct sampling location.

If you have any questions about the Chemical Monitoring requirements, contact Tricia Madore at 603-271-3907 or at Tricia.Madore@des.nh.gov. Please note that NHDES may initiate enforcement action if the system fails to implement a chemical monitoring program that includes the new wells.

If you have any questions about this letter or any other well siting issues please contact me at 271-3918 or Stephen.Roy@des.nh.gov .

Sincerely,



Stephen Roy
Drinking Water and Groundwater Bureau

Cc:

Jake Dawson; LRWC
Justin Richardson; Upton & Hatfield
Doug Patch; Orr & Reno
Stephen Eckberg, Rory Hollenberg; NHOCA
Marcia Thunberg, Mark Naylor; NHPUC
Diana Morgan, Stacey Herbold, Derek Bennett, Rick Skarinka, Emily Jones, Tricia Madore, Sarah Pillsbury; NHDES