



June 11, 2018

Property Owner
Ossining, NY 10562

Via Certified Mail

RE: Well Monitoring Program
Sunshine Children's Home
and Rehabilitation Center
New Castle, New York

Dear Property Owner:

LBG Hydrogeologic & Engineering Services, P.C., member of WSP (LBGHES) has been retained by the Sunshine Children's Home and Rehabilitation Center to conduct the long-term well monitoring program required as a condition of the special permit approval granted by the Town of New Castle Zoning Board of Appeals for the expansion of the existing facility at 15 Spring Valley Road (the "Site"). The monitoring program will monitor the potential water-level effects from the pumping of the supply wells at the Site, if any. This program will be initiated six months before construction of the building addition starts and continue for up to two years after the expanded facility is fully occupied. Throughout the well monitoring program, quarterly hydrogeologic reports of pumping volumes and groundwater levels of the wells on the Site and the off-site wells in the program will be provided to the Town for review. After it is confirmed that onsite pumping is sustainable and is not adversely impacting existing off-site wells, the offsite monitoring program and reporting will be terminated. Based on your well's proximity to the Site, we request your participation in this long-term well monitoring program. LBGHES will notify the Town of the homeowners wanting to participate in the monitoring program. LBGHES and the Town's consultant will jointly determine which homeowners will be included in the program. Upon Town approval, LBGHES will initiate the monitoring program.

Should you choose to participate in the long-term monitoring program, LBGHES will, at no expense to you, coordinate the installation of a water-level monitoring device (pressure transducer) in your well and thereafter conduct its ongoing maintenance or by monthly hand-measurements if a pressure transducer cannot be installed due to obstruction in a well. Water-level monitoring will consist of the collection of depth-to-water measurements from your well using a dedicated pressure transducer. The pressure transducer will be installed by removing the well's cap and lowering the device into the well, below the water table. This device allows for frequent water-level measurement collection which can show regional water-level trends, daily water usage, and any potential impact or interference caused by pumping of the wells located on the Site. Prior to installation in any well, the pressure transducer and any related equipment is treated with a bleach solution for sterilization. The installation of the pressure transducer will not interfere with the use of your well.

The device will be anchored to the top of the well so that the well cap can be resealed will not be visible. The pressure transducer will be set up to automatically record water-level measurements every 30 minutes. Because of the frequency of data collection, a sufficient number of measurements will be taken so that effects from normal operating cycles of the pump can be distinguished from any drawdown

LBG HYDROGEOLOGIC & ENGINEERING SERVICES, P.C.
MEMBER OF WSP
4 Research Drive, Suite 204
Shelton, CT 06484

Tel.: +1 (203) 929-8555
wsp.com



caused by the pumping of the study wells, if any. The data are stored on the pressure transducer and retrieved later using a laptop computer. Once per month, a representative from LBGHES will come to check on the device and download the stored data. LBGHES personnel will carry identification and would only enter your property during daylight hours. During each visit, the well cap will be opened, the device downloaded and checked to confirm proper functioning, and the well cap replaced. Access to LBGHES monitoring equipment by a third party (with the exception of the Town's consultant) will not be permitted.

In addition, if permission is received from the homeowner, water-quality samples will be collected prior to the initiation of the monitoring program and following completion of the program. The water samples will be analyzed for total coliform, iron, manganese, color and turbidity by a New York State certified laboratory.

Please note if your wellhead is inaccessible or buried beneath the ground, your well cannot be monitored. Attached is a permission form that will allow LBGHES and other agents (as needed) of The Sunshine Children's Home and Rehabilitation Center to enter on your property to inspect your well to assess its condition and to determine if there is suitable access for installation of the pressure transducer water-level monitoring device. If your well is determined to be accessible (i.e. your wellhead is above ground and the well cap can be safely removed), the pressure transducer will be installed in your well on the day of this visit.

LBGHES staff will be conducting the monitoring of the individual homeowner wells. A well contractor may be engaged (as needed) to assist in initially accessing wells or for the purpose of evaluating a water-supply complaint received from a property owner participating in the program. Any complaints from a homeowner will be jointly reviewed by LBGHES and the Town's expert.

Permission will be requested from a homeowner prior to LBGHES engaging a well contractor to replace or modify a well cap, if necessary, or to assist in any water-supply complaints from potential impacts from the Sunshine water-supply wells.

Appointments will be made with the property owners for the equipment installation. Each homeowner who has been chosen to participate in the monitoring program will be notified of the planned date for the equipment installation, and will be offered the opportunity to change the appointment for another time during normal working hours if they choose.

The Town's consultant will supervise the installation of the monitoring equipment and also download the raw data on a quarterly basis to conduct their own evaluation. Each participating homeowner will be provided with a report on a quarterly basis during the monitoring program, which will include a hydrograph of their water-level readings. The hydrograph is used to present the water-level data to property owners in a way that is typically easier for a well owner to interpret. The raw data can also be provided if requested by the well owner.

Such monitoring programs have been carried out successfully and without incident in your and other nearby communities. LBGHES is adequately insured in the event of any unforeseen difficulty. A copy of LBGHES' certificate of insurance has been provided to the Town. Should you choose to participate in this well monitoring program, we request that the property owner endorse the attached permission form on a duplicate of this letter. If possible fax the signed permission form to LBGHES at (203) 926-9140, scan it to me at Thomas.Cusack@wsp.com or return it to my attention in the provided, self-addressed, stamped envelop. **Authorization must be received by June 21, 2018 if you would like to participate in this program.**



If permission is granted, a representative from LBGHES will conduct a site visit to evaluate access to the well. This is your second and final request.

If you have any questions, please contact me directly at (475) 882-1704.

Kind regards,

LBG Hydrogeologic & Engineering Services, P.C.

A handwritten signature in black ink, appearing to read 'T. Cusack'.

Thomas P. Cusack, CPG
Senior Supervising Hydrogeologist

TPC:cmm

Enclosure

cc: Kenneth Narva
Ari Friedman
Mark P. Weingarten
Peter J. Wise

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This will authorize representatives of LBGHES, acting on behalf of the Sunshine Children’s Home and Rehabilitation Center, to enter upon my property for the purpose of installing water-level monitoring equipment in my water supply well, and to from time to time obtain water-level measurements from the installed device. I understand that I will receive copies of the data collected, as described above.

Signed: _____

Printed Name: _____

Address of Premises: _____

Telephone: _____

Date: _____

Mailing address if different:

Well Information (if available):

- General description of well location:

- Well depth _____ feet.

- Pump depth _____ feet.

(return to the attention of Thomas Cusack)