



The
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES

hereby issues

LARGE GROUNDWATER WITHDRAWAL PERMIT

NO. LGWP-2000-0001A

to the permittee

BREAKFAST HILL GOLF CLUB, LLC
399 BREAKFAST HILL ROAD
GREENLAND, NH

for the withdrawal of the following volume of groundwater from the following well for the purpose of golf course irrigation water supply:

PW-4 [Back-up Well], 201,600 gallons over any 24-hour period;

Date of Issuance: September 11, 2010

Date of Expiration: September 11, 2020

Pursuant to authority in N.H. RSA 485-C:21, the New Hampshire Department of Environmental Services (NHDES), hereby grants this permit to withdraw groundwater from well PW-4 subject to the following conditions:

1. The permittee shall comply with the requirements of Env-Wq 403 and RSA 485-C at all times.
2. The permittee shall complete a minimum of two system-wide leak detection surveys over the duration of this permit. The leak detection surveys shall be completed between the years 2013-2014 and 2018-2019. The permittee shall repair any leaks that are identified during the leak detection survey. The permittee shall provide the Department with a summary of the results of the leak detection survey and any corrective actions undertaken to repair the irrigation system in an annual report by January 31 of each year.
3. Metering Requirements: Withdrawals from all sources must be metered at all times. All meters must be selected, installed, tested, and maintained in accordance with the AWWA M6 manual. The permittee shall provide NHDES with a certificate of calibration and performance specifications for each meter. The permittee shall document and maintain records of all meter maintenance and calibration activities and submit this information to NHDES in an annual report by January 31 of each year. The permittee shall read source water meters to adequately report the following volumes to the reporting program referenced in condition No. 5 of this permit:
 - a) The 24-hour peak day volume withdrawn from each source during each month; and
 - b) The cumulative total volume withdrawn from each source during each month.

4. Monitoring and Reporting Requirements

The permittee shall establish and maintain the groundwater level monitoring and reporting program as described below. Water levels shall be collected from the following points:

PW-03 (also referred to as Well 3); 20000001MWPW03
HT-6S (also referred to as Well 6); and, 20000001MWHT6S
Production well PW-4 (also referred to as Back-up Well). 20000001IWPW4

Water levels shall be collected on a frequency of at least once every two weeks when the golf course is open for business or pumping groundwater. Water levels shall be collected from a designated fixed point at the top of the inner or outer casing of the monitoring well, consistent with prior readings. The water levels shall be recorded with the date and time of the measurement.

All water level monitoring shall be completed by a person who can demonstrate, by education or experience, competency in collecting and reporting hydrogeologic measurements.

Monitoring well locations and frequencies may be added or changed if the water level data obtained contradict the information provided in the permittee's application, or if additional data points are required to assess the potential for adverse impacts to occur.

An annual monitoring report and all monitoring data shall be submitted to NHDES annually by January 31 of each year. The annual monitoring report shall note any relevant observations that may affect the water level measurements and include text and figures, as necessary, to demonstrate that adverse impacts have not occurred as a result of the withdrawal, and all field notes documenting the monitoring activities for the preceding year. All field notes shall be signed and dated by the personnel responsible for collecting measurements.

The annual monitoring report shall be submitted in an electronic format and hard copy format. All water level monitoring data collected shall be submitted in an electronic format only.

5. Mitigation Requirements

- a) In the event that adverse impacts occur, the permittee shall comply with all of the requirements below and with the impact mitigation and source replacement requirements of Env-Wq 403.
- b) Where the status of an unanticipated impact is not clear, the permittee shall gather information needed to quantify the impact and determine its status relative to adverse impact criteria defined under RSA 485-C:21 V-c and provide this information to NHDES within 48 hours of being notified by NHDES. A verified adverse impact shall be mitigated in accordance with Env-Wq 403.

DROUGHT MANAGEMENT PROCEDURES

STAGE I

In the event that the following trigger occurs, production from PW-4 shall be reduced to 75% of the permitted withdrawal volume.

Trigger: Moderate Drought conditions as determined by the U.S. Drought Monitor which is administered by the U.S. Department of Agriculture, U.S. Department of Commerce/National Oceanic and Atmospheric Administration, and the National Drought Mitigation Center.

As part of Stage I Management Procedures, the permittee shall increase the frequency of reporting of all water level measurements to NHDES, and submit all measurements electronically to NHDES by the 15th and last day of each calendar month.

STAGE II

In the event that the following trigger occurs, production from PW-4 shall be reduced to 50% of the permitted withdrawal volume.

Trigger: Severe Drought conditions as determined by the U.S. Drought Monitor which is administered by the U.S. Department of Agriculture, U.S. Department of Commerce/National Oceanic and Atmospheric Administration, and the National Drought Mitigation Center.

As part of Stage II Management Procedures, the permittee shall continue reporting all water level measurements to NHDES electronically by the 15th and last day of each calendar month.

STAGE III

In the event that the following trigger occurs, production from PW-4 shall be reduced to less than 57,600 gallons over any 24-hour period.

Trigger: Extreme Drought Conditions as determined by the U.S. Drought Monitor which is administered by the U.S. Department of Agriculture, U.S. Department of Commerce/National Oceanic and Atmospheric Administration, and the National Drought Mitigation Center.

As part of Stage III Management Procedures, the permittee shall continue reporting all water level measurements to NHDES electronically by the 15th and last day of each calendar month.

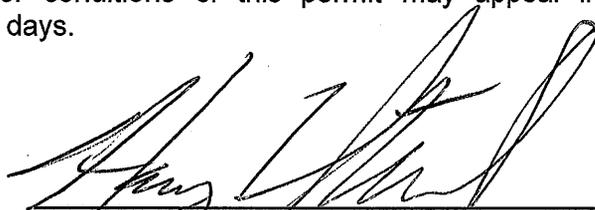
STAGE IV

In the event that the following trigger occurs, the withdrawal from PW-4 shall cease.

Trigger: Exceptional Drought conditions as determined by the U.S. Drought Monitor which is administered by the U.S. Department of Agriculture, U.S. Department of Commerce/National Oceanic and Atmospheric Administration, and the National Drought Mitigation Center.

6. The permittee shall maintain its registration with the Water Use Registration and Reporting Program and maintain the water use reporting requirements established by RSA 488 and this permit.
7. The permittee shall apply for renewal of this permit at least 365 days prior to its expiration date. The permittee shall continue to comply with all conditions in this permit until the permit is renewed or the facility is closed in accordance with all applicable requirements, regardless of whether a renewal application is filed.

Any person aggrieved by any terms or conditions of this permit may appeal in accordance with RSA 21-O:7,IV within 30 days.



Harry T. Stewart, P.E.,
Director Water Division