



PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
US DEPT OF ENERGY
1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:
BROOKHAVEN NATIONAL LABORATORY
53 BELL AVE|SCTM 200-505-1-1.002
UPTON, NY 11973

Facility Location: in BROOKHAVEN in SUFFOLK COUNTY

Facility Principal Reference Point: NYTM-E: 678.039772274775 NYTM-N:
4526.226987656

Latitude: 40°52'04.0" Longitude: 72°53'14.4"

Authorized Activity: Withdraw groundwater from eight (8) water supply wells as stipulated on the attached NYSDEC approved list of wells (Special Conditions No.3). This version will supersede the former permit for these wells issued on October 16, 2008 and its subsequent renewals.

Permit Authorizations

Long Island Well - Under Article 15, Title 15

Permit ID 1-4722-00032/00151

New Permit

Effective Date: 7/18/2016

Expiration Date: 7/17/2026

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: MARK CARRARA, Deputy Regional Permit Administrator

Address: NYSDEC Region 1 Headquarters
SUNY @ Stony Brook|50 Circle Rd
Stony Brook, NY 11790 -3409

Authorized Signature: _____

Date 7/18/2016



Permit Components

LONG ISLAND WELL PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

LONG ISLAND WELL PERMIT CONDITIONS

1. Notice of Completion Required Section 15-1529 of the Environmental Conservation Law forbids the operation of any of these works until the completed construction has been approved by the Department. Such approval will be given only once a written request has been received and a Final Inspection has been conducted by a Department Representative. Within 10 days of completion of the project, the permittee and well driller shall sign and return the enclosed Notice of Completion Form certifying that the construction of the well has been completed in compliance with all terms and conditions of the permit. The form must be submitted to the following address: NYSDEC, Water Supply, Management Section, Stony Brook University, 50 Circle Road, Stony Brook, NY 11790-3409.

2. Potable Water Must Meet All Federal and State Standards. Granting of this permit does not relieve the applicant of the responsibility of obtaining any other permission, consent, or approval which may be required. Water used for potable purposes must meet all Federal and State Health Department standards and requirements.

3. Allowed Pumpage Rates The wells shall be used for the purposes stated below and each well's pumpage rate shall not exceed the pumpage rate listed below:

DEC Well No.	Pumpage Rate	Purpose	BNL Well NO.
S-015950	1200 gpm	Cooling	102
S-017836	1200 gpm	Potable	4
S-022150	1200 gpm	Potable	7
S-022151	1200 gpm	Potable	6
S-066944	1200 gpm	Potable	10
S-072038	1200 gpm	Potable	11
S-085965	1200 gpm	Potable	12
S-016719	40 gpm	Irrigation	Ecology Field 1

4. Pumpage Limit

The total annual pumpage from the irrigation well (S016719) on this property shall not exceed 140,000 gallons per calendar year.



5. Meter Required The permittee shall install a meter (or meters) to measure and record the amount of water pumped from each well. The meter(s) must be maintained in satisfactory working order and be available for inspection.

6. Pumpage Must be Reported to DEC The amount of pumpage from all wells must be recorded and reported to this Department on an annual basis. Annual pumpage reports must be submitted to the Department at the address listed in Special Condition 1 or emailed to RIDOW@dec.ny.gov by February 1st the following calendar year for which the pumpage is reported.

7. Non-contact Cooling Water Must be Returned to Same Aquifer The water from wells to be used for non-contact cooling water with no mixture of industrial or process wastewater and/or contaminants must be returned to the same aquifer through the use of diffusion wells.

8. No Cross Connections No cross connections to any other source of water supply may be installed or maintained. Water from the irrigation well shall not be utilized for potable purposes.

9. This Permit Does Not Grant Exemptions This permit shall not be held to grant exemption from general restrictions of the use of water for these particular purposes which may at any time be imposed by other authorities.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. Facility Inspection by The Department The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. Relationship of this Permit to Other Department Orders and Determinations Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. Applications For Permit Renewals, Modifications or Transfers The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this



permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 1 Headquarters
SUNY @ Stony Brook|50 Circle Rd
Stony Brook, NY11790 -3409

4. Submission of Renewal Application The permittee must submit a renewal application at least 30 days before permit expiration for the following permit authorizations: Long Island Well.

5. Permit Modifications, Suspensions and Revocations by the Department The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

- a. materially false or inaccurate statements in the permit application or supporting papers;
- b. failure by the permittee to comply with any terms or conditions of the permit;
- c. exceeding the scope of the project as described in the permit application;
- d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. Permit Transfer Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.



Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

