

**TOWN OF YORKTOWN – ENGINEERING – PLANNING BOARD – TOWN BOARD  
MS4 STORMWATER MANAGEMENT / EXCAVATION PERMIT APPLICATION  
WETLAND PERMIT APPLICATION and/or TREE PERMIT APPLICATION**

SECTION: 69.14  
 BLOCK: 1  
 LOT#: 5

Approval Authority: TE [ ] PB [ ] TB [x]  
 Application #: T-WP-FSWAPP-053-23  
 Date Received: 10-10-23  
 Date Issued: \_\_\_\_\_  
 Date Expires: \_\_\_\_\_  
 Fee Paid: \$ 3,300

Job Site Address: 1600 Spring Valley Rd.  
 City/State/Zip: Ossining, NY  
10562

NOTE: Application fees are doubled with  
 issuance of a Stop Work Order /  
 Notice of Violation as per Town Code.

**APPLICANT:**

NAME: Teatown Lake Reservation  
 COMPANY: Teatown Lake Reservation  
 ADDRESS: 1600 Spring Valley Rd.  
Ossining, NY ZIP: 10562  
 PHONE: 914-762-2912 x-119  
 EMAIL: dbegley-miller@teatown.org

**OWNER:**

NAME: Teatown Lake Reservation  
 COMPANY: Teatown Lake Reservation  
 ADDRESS: 1600 Spring Valley Rd.  
Ossining, NY ZIP: 10562  
 PHONE: 914-762-2912 x-119  
 EMAIL: dbegley-miller@teatown.org

APPROVED PLANS AND PERMIT SHALL BE ON-SITE AT ALL TIMES

#	✓	Type	Approval Authority	Cost
1.	<input type="checkbox"/>	MS4 Stormwater Management Permit – Administrative	Town Engineer	\$300.00
	<input checked="" type="checkbox"/>	MS4 Stormwater Management Permit – Non-Administrative	Town Board / Planning Board	\$1,500.00
	<input type="checkbox"/>	Renewal Administrative MS4 Stormwater Management Permit	Town Engineer	\$150.00
2.	<input type="checkbox"/>	Wetland Permit – Administrative	Town Engineer	\$800.00
	<input checked="" type="checkbox"/>	Wetland Permit – Non-Administrative	Town Board / Planning Board	\$1,800.00
	<input type="checkbox"/>	Renewal Administrative Wetland Permit	Town Engineer	\$150.00
3.	<input checked="" type="checkbox"/>	Tree Permit	All	\$0.00

**Complete the sections for the permits selected on page 1:**

**1. MS4 STORMWATER MANAGEMENT PERMIT**

**Stormwater/Excavation - Description of proposed activity:**

Site preparation of Blinn Rd. parking lot and Hidden Valley North Field for placement of geotubes used in the dewatering of dredged sediments.

**2. WETLAND PERMIT**

**If project is in a wetland or wetland control area (buffer), description of wetlands:**

**(check all that apply)**

Lake/Pond	<input checked="" type="checkbox"/>	Control area of Lake/Pond	_____
Stream/River/Brook	<input type="checkbox"/>	Control area of Stream/River/Brook	_____
Wetlands	<input checked="" type="checkbox"/>	Control area of Wetlands	_____

**Description of activity in the wetland and/or wetland buffer:**

Describe the proposed work including the following: i.e. maintenance, construction of dwelling, addition, driveway, culverts, including size and location.

Dredging the south east corner of the lake to maintain the existing channel between the shore and Wildflower Island.

Wildflower Island has at least one RTE species, Yellow Lady Slipper (Cypripedium parviflorum var. parviflorum) and the purpose of the dredging is to restore the lakes hydrology and to minimize a route for the potential spread of invasive plant species onto the island that could out compete this rare plant. Yellow Lady Slipper is listed as S4 by the Natural Heritage Program.

**3. TREE PERMIT**

**Description of Tree Removal:**

Number of trees and/or stumps to be removed: 9

Sizes; approximate DBH: \_\_\_\_\_

Species of trees to be removed if known (i.e. Birch, Spruce): Black Walnut (6), Flowering Dogwood (1), Tulip (1), Sugar Maple (1)

Reason for removal: Restoration of meadow with native plants, trees are old and dieback is present, clearing for geotubes.

Tree removal contractor: \_\_\_\_\_

Attach survey/sketch indicating property boundaries, existing structures, driveways, roadways and location of existing trees. **Trees must be marked in the field before inspection.**

**PROPERTY OWNER CONSENT:** If another entity (e.g. contractor, consultant) is applying on the owner's behalf, the PROPERTY OWNER is to complete, sign and date this authorization:

I, \_\_\_\_\_ hereby authorize \_\_\_\_\_ to apply for this Stormwater/Wetland Permit/Tree Permit on my behalf.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

***Must be original signature. Digital signatures not accepted.***

**No application will be processed without the above-mentioned, required information.**

**GENERAL CONDITIONS:**

1. The permittee is responsible for maintaining an active application. If no activity occurs within a six (6) month period, as measured from the date of application, the application will become null and void. Applications fees are non-refundable.
2. The Town of Yorktown reserves the right to modify, suspend or revoke this permit at any time after due notice when:
  - a. Scope of the project is exceeded or a violation of any condition of the permit or provision of the law pertinent regulations are found; or
  - b. Permit was obtained by misrepresentation or failure to disclose relevant facts; or
  - c. Newly discovered information or significant physical changes are discovered.
3. The permittee is responsible for keeping the permit active by requesting renewal from the Approval Authority. Any supplemental information that may be required by the Approval Authority, including forms and fees, must be submitted 30 days prior to the expiration date. The expiration date is one year from the date the bond is paid to the Engineering Department. In accordance with Chapter 178 of the Town Code, Freshwater Wetlands, Section 178-16 -Expiration of a Permit.
4. This permit shall not be construed as conveying to the applicant any right to trespass upon private lands or interfere with the riparian rights of others in order to perform the permitted work or as authorizing the impairment of any right, title or interest in real or personal property held or vested in person not party to this permit.
5. The permittee is responsible for obtaining any other permits, approvals, easements and right-of-way, which may be required.
6. Any modification of this permit granted by the Approval Authority must be in writing and attached hereto.
7. Granting of this permit does not relieve the applicant of the responsibility of obtaining any other permission, consent or approval from the U.S. Army Corps of Engineers, N.Y.C. Department of Environmental Protection, N.Y.S. Department of Environmental Conservation or local government, which may be required.

Danielle Begley-Miller  
PRINT NAME

Danielle Begley-Miller  
SIGNATURE OF APPLICANT

10/2/23  
DATE

***Must be original signature. Digital signatures not accepted.***

**Full Environmental Assessment Form  
Part 1 - Project and Setting**

**Instructions for Completing Part 1**

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

**A. Project and Applicant/Sponsor Information.**

Name of Action or Project: Teatown Lake Reservation Dredge Project		
Project Location (describe, and attach a general location map): 1600 Spring Valley Rd., Ossining, NY 10562 1.1 miles West of the junction of NYS Rt 134 and Spring Valley Rd. 41° 12' 39.4" N x 73° 49' 36.85" W		
Brief Description of Proposed Action (include purpose or need): Dredging the south east corner of the lake to maintain the existing channel between the shore and Wildflower Island. Wildflower Island has at least one RTE species, Yellow Lady Slipper ( <i>Cypripedium parviflorum</i> var. <i>parviflorum</i> ) and the purpose of the dredging is to restore the lakes hydrology and to minimize a route for the potential spread of invasive plant species onto the island that could out compete this rare plant. Yellow Lady Slipper is listed as S4 by the Natural Heritage Program.		
Name of Applicant/Sponsor: Teatown Lake Reservation, Inc., Danielle Begley-Miller, Ph.D.		Telephone: 914-762-2912 x-119
		E-Mail: dbegley-miller@teatown.org
Address: 1600 Spring Valley Rd.		
City/PO: Ossining	State: NY	Zip Code: 10562
Project Contact (if not same as sponsor; give name and title/role): Timothy K. Judge, EcoAssessment, LLC		Telephone: 845-222-6135
		E-Mail: judget@alum.rpi.edu
Address: 436 Benedict Ave.		
City/PO: Tarrytown	State: NY	Zip Code: 10591
Property Owner (if not same as sponsor):		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees	Town of Yorktown, Tree removal, road cut permit, temporary site plan approval.	
b. City, Town or Village <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Planning Board or Commission		
c. City, Town or <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Village Zoning Board of Appeals		
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	New York City Department of Environmental Protection, Project review Croton Watershed	
e. County agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYSDEC R3 Joint Application	
h. Federal agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	USACE Joint Application	
<p>i. Coastal Resources.</p> <p><i>i.</i> Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><i>ii.</i> Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><i>iii.</i> Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		

**C. Planning and Zoning**

**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?  Yes  No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

**C.2. Adopted land use plans.**

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?  Yes  No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?  Yes  No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)  Yes  No

If Yes, identify the plan(s):

New York City Department of Environmental Protection Croton River Watershed.

\_\_\_\_\_

\_\_\_\_\_

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?  Yes  No

If Yes, identify the plan(s):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance.  Yes  No  
If Yes, what is the zoning classification(s) including any applicable overlay district?  
Zoning R1-200

b. Is the use permitted or allowed by a special or conditional use permit?  Yes  No

c. Is a zoning change requested as part of the proposed action?  Yes  No  
If Yes,  
i. What is the proposed new zoning for the site?

**C.4. Existing community services.**

a. In what school district is the project site located? Croton Harmon Union Free School District

b. What police or other public protection forces serve the project site?  
Yorktown Police Department

c. Which fire protection and emergency medical services serve the project site?  
Yorktown Heights Fire District, Yorktown EMS

d. What parks serve the project site?  
Teatown Lake Reservation

**D. Project Details**

**D.1. Proposed and Potential Development**

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Normal maintenance of a man made lake through dredging.

b. a. Total acreage of the site of the proposed action? 42 acres  
b. Total acreage to be physically disturbed? 3.7 acres  
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 901 acres

c. Is the proposed action an expansion of an existing project or use?  Yes  No  
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % \_\_\_\_\_ Units: \_\_\_\_\_

d. Is the proposed action a subdivision, or does it include a subdivision?  Yes  No  
If Yes,  
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed?  Yes  No

iii. Number of lots proposed? \_\_\_\_\_

iv. Minimum and maximum proposed lot sizes? Minimum \_\_\_\_\_ Maximum \_\_\_\_\_

e. Will the proposed action be constructed in multiple phases?  Yes  No

i. If No, anticipated period of construction: \_\_\_\_\_ months

ii. If Yes:

- Total number of phases anticipated \_\_\_\_\_
- Anticipated commencement date of phase 1 (including demolition) \_\_\_\_\_ month \_\_\_\_\_ year
- Anticipated completion date of final phase \_\_\_\_\_ month \_\_\_\_\_ year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: \_\_\_\_\_

f. Does the project include new residential uses?  Yes  No  
 If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)?  Yes  No  
 If Yes,  
 i. Total number of structures \_\_\_\_\_  
 ii. Dimensions (in feet) of largest proposed structure: \_\_\_\_\_ height; \_\_\_\_\_ width; and \_\_\_\_\_ length  
 iii. Approximate extent of building space to be heated or cooled: \_\_\_\_\_ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?  Yes  No  
 If Yes,  
 i. Purpose of the impoundment: \_\_\_\_\_  
 ii. If a water impoundment, the principal source of the water:  Ground water  Surface water streams  Other specify: \_\_\_\_\_  
 iii. If other than water, identify the type of impounded/contained liquids and their source. \_\_\_\_\_  
 iv. Approximate size of the proposed impoundment. Volume: \_\_\_\_\_ million gallons; surface area: \_\_\_\_\_ acres  
 v. Dimensions of the proposed dam or impounding structure: \_\_\_\_\_ height; \_\_\_\_\_ length  
 vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): \_\_\_\_\_

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both?  Yes  No  
 (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)  
 If Yes:  
 i. What is the purpose of the excavation or dredging? Protection of RTE species of plants on an island  
 ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?  
 • Volume (specify tons or cubic yards): 7800 CY  
 • Over what duration of time? 2 months  
 iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.  
Lake sediments. The sediments were sampled and tested using a NYSDEC approved Sediment Sampling and Analysis Plan and determined to be clean and classified as General Fill by NYSDEC.  
 iv. Will there be onsite dewatering or processing of excavated materials?  Yes  No  
 If yes, describe. Dewatering will be done with Geotubes in two locations as per the submitted plan drawings. All dredging will be done with hydraulic dredge methods.  
 v. What is the total area to be dredged or excavated? \_\_\_\_\_ 3.68 acres  
 vi. What is the maximum area to be worked at any one time? \_\_\_\_\_ .24 acres  
 vii. What would be the maximum depth of excavation or dredging? \_\_\_\_\_ 3 feet  
 viii. Will the excavation require blasting?  Yes  No  
 ix. Summarize site reclamation goals and plan: \_\_\_\_\_  
Dewatered sediments to be used on site. Sediments dewatered at site 1 will be used for various Teatown projects where appropriate and in compliance with regulation and good engineering practices. Sediments dewatered at site 2 will be used to regrade and seed the Hidden Valley Meadow.

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area?  Yes  No  
 If Yes:  
 i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): Removal of accumulated sediments in two locations. Sediments around Wildflower Island will be removed approximately twelve feet at a depth of twelve feet towards the island from the channel. No change to the shoreline of Wildflower Island.

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres: Removal of accumulated sediments in two locations. Sediments around Wildflower Island will be removed approximately twelve feet towards the island from the channel to a depth of three feet. No change to the shoreline. Sediments to be hydraulically dredged and dewatered using geotubes at dewatering sites 1 and 2.

iii. Will the proposed action cause or result in disturbance to bottom sediments?  Yes  No  
 If Yes, describe: Hydraulic removal of 7,800 CY

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation?  Yes  No  
 If Yes:

- acres of aquatic vegetation proposed to be removed: 3.68
- expected acreage of aquatic vegetation remaining after project completion: 43.32
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): Restoring hydrology and protection of RTE species on Wild Flower Island.
- proposed method of plant removal: Hydraulic dredging
- if chemical/herbicide treatment will be used, specify product(s): \_\_\_\_\_

v. Describe any proposed reclamation/mitigation following disturbance: Dewatering location one is a parking lot that will be restored. Dewatering location two is a meadow that will be restored and replanted with native species.

c. Will the proposed action use, or create a new demand for water?  Yes  No  
 If Yes:

i. Total anticipated water usage/demand per day: \_\_\_\_\_ gallons/day

ii. Will the proposed action obtain water from an existing public water supply?  Yes  No  
 If Yes:

- Name of district or service area: \_\_\_\_\_
- Does the existing public water supply have capacity to serve the proposal?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No
- Do existing lines serve the project site?  Yes  No

iii. Will line extension within an existing district be necessary to supply the project?  Yes  No  
 If Yes:

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_
- Source(s) of supply for the district: \_\_\_\_\_

iv. Is a new water supply district or service area proposed to be formed to serve the project site?  Yes  No  
 If Yes:

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- Proposed source(s) of supply for new district: \_\_\_\_\_

v. If a public water supply will not be used, describe plans to provide water supply for the project: \_\_\_\_\_

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: \_\_\_\_\_ gallons/minute.

d. Will the proposed action generate liquid wastes?  Yes  No  
 If Yes:

i. Total anticipated liquid waste generation per day: \_\_\_\_\_ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): \_\_\_\_\_

iii. Will the proposed action use any existing public wastewater treatment facilities?  Yes  No  
 If Yes:

- Name of wastewater treatment plant to be used: \_\_\_\_\_
- Name of district: \_\_\_\_\_
- Does the existing wastewater treatment plant have capacity to serve the project?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No



- Do existing sewer lines serve the project site?  Yes  No
- Will a line extension within an existing district be necessary to serve the project?  Yes  No

 If Yes:
 

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site?  Yes  No  
 If Yes:
 

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- What is the receiving water for the wastewater discharge? \_\_\_\_\_

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):  
 \_\_\_\_\_  
 \_\_\_\_\_

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction?  Yes  No  
 If Yes:
 

- How much impervious surface will the project create in relation to total size of project parcel?  
 \_\_\_\_\_ 0 Square feet or \_\_\_\_\_ acres (impervious surface)  
 \_\_\_\_\_ 0 Square feet or \_\_\_\_\_ acres (parcel size)
- Describe types of new point sources. All decanted water from the geotubes will be conveyed by pipe back to Teatown Lake
- Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?  
Storm water from the dewatering locations 1 and 2 will employ silt fencing during site preparation and deployment of the geotubes. Water from the geotubes will be conveyed back to Teatown Lake. Silt fencing will be in place during regrading and replanting of dewatering location 2.
  - If to surface waters, identify receiving water bodies or wetlands: \_\_\_\_\_
  - Will stormwater runoff flow to adjacent properties?  Yes  No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?  Yes  No

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f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?  Yes  No  
 If Yes, identify:
 

- Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)  
Earth moving equipment during site preparation and a diesel powered hydraulic dredge vessel.
- Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)  
A temporary portable generator will be used at dewatering location 2.
- Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  
A temporary portable generator will be used at dewatering location 2.

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g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?  Yes  No  
 If Yes:
 

- Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  Yes  No
- In addition to emissions as calculated in the application, the project will generate:
  - \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide (CO<sub>2</sub>)
  - \_\_\_\_\_ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)
  - \_\_\_\_\_ Tons/year (short tons) of Perfluorocarbons (PFCs)
  - \_\_\_\_\_ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)
  - \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
  - \_\_\_\_\_ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?  Yes  No  
 If Yes:  
 i. Estimate methane generation in tons/year (metric): \_\_\_\_\_  
 ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): \_\_\_\_\_

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i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?  Yes  No  
 If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): \_\_\_\_\_

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j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?  Yes  No  
 If Yes:  
 i. When is the peak traffic expected (Check all that apply):  Morning  Evening  Weekend  
 Randomly between hours of \_\_\_\_\_ to \_\_\_\_\_.  
 ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Parking spaces: Existing \_\_\_\_\_ Proposed \_\_\_\_\_ Net increase/decrease \_\_\_\_\_  
 iv. Does the proposed action include any shared use parking?  Yes  No  
 v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: \_\_\_\_\_  
 \_\_\_\_\_  
 vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site?  Yes  No  
 vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?  Yes  No  
 viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?  Yes  No

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k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?  Yes  No  
 If Yes:  
 i. Estimate annual electricity demand during operation of the proposed action: \_\_\_\_\_  
 \_\_\_\_\_  
 ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Will the proposed action require a new, or an upgrade, to an existing substation?  Yes  No

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l. Hours of operation. Answer all items which apply.  
 i. During Construction:  
 • Monday - Friday: \_\_\_\_\_ 8:00 AM - 4:00 PM or sunset  
 • Saturday: \_\_\_\_\_  
 • Sunday: \_\_\_\_\_  
 • Holidays: \_\_\_\_\_  
 ii. During Operations:  
 • Monday - Friday: \_\_\_\_\_  
 • Saturday: \_\_\_\_\_  
 • Sunday: \_\_\_\_\_  
 • Holidays: \_\_\_\_\_

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?  Yes  No  
 If yes:  
 i. Provide details including sources, time of day and duration:  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen?  Yes  No  
 Describe: \_\_\_\_\_  
 \_\_\_\_\_

n. Will the proposed action have outdoor lighting?  Yes  No  
 If yes:  
 i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen?  Yes  No  
 Describe: \_\_\_\_\_  
 \_\_\_\_\_

o. Does the proposed action have the potential to produce odors for more than one hour per day?  Yes  No  
 If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: \_\_\_\_\_  
 \_\_\_\_\_

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage?  Yes  No  
 If Yes:  
 i. Product(s) to be stored \_\_\_\_\_  
 ii. Volume(s) \_\_\_\_\_ per unit time \_\_\_\_\_ (e.g., month, year)  
 iii. Generally, describe the proposed storage facilities: \_\_\_\_\_  
 \_\_\_\_\_

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?  Yes  No  
 If Yes:  
 i. Describe proposed treatment(s):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Will the proposed action use Integrated Pest Management Practices?  Yes  No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)?  Yes  No  
 If Yes:  
 i. Describe any solid waste(s) to be generated during construction or operation of the facility:  
 • Construction: \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)  
 • Operation : \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)  
 ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:  
 • Construction: \_\_\_\_\_  
 \_\_\_\_\_  
 • Operation: \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Proposed disposal methods/facilities for solid waste generated on-site:  
 • Construction: \_\_\_\_\_  
 \_\_\_\_\_  
 • Operation: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

s. Does the proposed action include construction or modification of a solid waste management facility?  Yes  No  
 If Yes:  
 i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): \_\_\_\_\_  
 ii. Anticipated rate of disposal/processing:  
 • \_\_\_\_\_ Tons/month, if transfer or other non-combustion/thermal treatment, or  
 • \_\_\_\_\_ Tons/hour, if combustion or thermal treatment  
 iii. If landfill, anticipated site life: \_\_\_\_\_ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste?  Yes  No  
 If Yes:  
 i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: \_\_\_\_\_  
 \_\_\_\_\_  
 ii. Generally describe processes or activities involving hazardous wastes or constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Specify amount to be handled or generated \_\_\_\_\_ tons/month  
 iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?  Yes  No  
 If Yes: provide name and location of facility: \_\_\_\_\_  
 \_\_\_\_\_  
 If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:  
 \_\_\_\_\_  
 \_\_\_\_\_

**E. Site and Setting of Proposed Action**

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.  
 i. Check all uses that occur on, adjoining and near the project site.  
 Urban  Industrial  Commercial  Residential (suburban)  Rural (non-farm)  
 Forest  Agriculture  Aquatic  Other (specify): \_\_\_\_\_  
 ii. If mix of uses, generally describe:  
 \_\_\_\_\_  
 \_\_\_\_\_

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	46.5	46.5	0
• Forested	659.6	659.6	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	6.1	6.1	0
• Agricultural (includes active orchards, field, greenhouse etc.)	21.4	21.4	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	51.4	51.4	0
• Wetlands (freshwater or tidal)	22.3	22.3	0
• Non-vegetated (bare rock, earth or fill)	0.6	0.6	0
• Other Describe: Developed open space	93.1	93.1	0

c. Is the project site presently used by members of the community for public recreation?  Yes  No  
*i. If Yes: explain:* Teatown Lake Reservation is open to the public for hiking and associated activities.

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?  Yes  No  
 If Yes,  
*i. Identify Facilities:*  
Teatown Lake Nature Center

e. Does the project site contain an existing dam?  Yes  No  
 If Yes:  
*i. Dimensions of the dam and impoundment:*  

- Dam height: \_\_\_\_\_ 10 feet
- Dam length: \_\_\_\_\_ 203 feet
- Surface area: \_\_\_\_\_ 38 acres
- Volume impounded: \_\_\_\_\_ 160 AF gallons OR acre-feet

*ii. Dam's existing hazard classification:* B  
*iii. Provide date and summarize results of last inspection:*  
All data from National Inventory of Dams (<https://nid.sec.usace.army.mil/#/dams/system/NY01333/structure>)

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility?  Yes  No  
 If Yes:  
*i. Has the facility been formally closed?*  Yes  No  

- If yes, cite sources/documentation: \_\_\_\_\_

*ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:*  
 \_\_\_\_\_  
 \_\_\_\_\_  
*iii. Describe any development constraints due to the prior solid waste activities:* \_\_\_\_\_

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?  Yes  No  
 If Yes:  
*i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:*  
 \_\_\_\_\_  
 \_\_\_\_\_

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site?  Yes  No  
 If Yes:  
*i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:*  Yes  No  
 Yes – Spills Incidents database Provide DEC ID number(s): 200376  
 Yes – Environmental Site Remediation database Provide DEC ID number(s): 9602685  
 Neither database  
*ii. If site has been subject of RCRA corrective activities, describe control measures:* \_\_\_\_\_  
 \_\_\_\_\_  
*iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?*  Yes  No  
 If yes, provide DEC ID number(s): \_\_\_\_\_  
*iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):*  
Spill incident 200376, 2 gallon transformer oil, pole 114, reported 08/05/2020, closed 08/05/2020 Spill incident 9602685, 1 gallon transformer oil, pole 107, reported 05/24/1996, closed 05/31/1996

v. Is the project site subject to an institutional control limiting property uses?  Yes  No

- If yes, DEC site ID number: \_\_\_\_\_
- Describe the type of institutional control (e.g., deed restriction or easement): \_\_\_\_\_
- Describe any use limitations: \_\_\_\_\_
- Describe any engineering controls: \_\_\_\_\_
- Will the project affect the institutional or engineering controls in place?  Yes  No
- Explain: \_\_\_\_\_

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**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? \_\_\_\_\_ variable feet

b. Are there bedrock outcroppings on the project site?  Yes  No  
 If Yes, what proportion of the site is comprised of bedrock outcroppings? Geotube area 2 ≤ 3 %

c. Predominant soil type(s) present on project site:

Charlton-Chatfield Complex	_____	37.5 %
Water	_____	23.1 %
Chatfield-Charlton Complex	_____	14.7 %

d. What is the average depth to the water table on the project site? Average: 13 feet

e. Drainage status of project site soils:

<input checked="" type="checkbox"/> Well Drained:	_____	89.5 % of site
<input checked="" type="checkbox"/> Moderately Well Drained:	_____	5.8 % of site
<input checked="" type="checkbox"/> Poorly Drained	_____	4.7 % of site

f. Approximate proportion of proposed action site with slopes:

<input checked="" type="checkbox"/> 0-10%:	_____	70.5 % of site
<input checked="" type="checkbox"/> 10-15%:	_____	1.7 % of site
<input checked="" type="checkbox"/> 15% or greater:	_____	27.8 % of site

g. Are there any unique geologic features on the project site?  Yes  No  
 If Yes, describe: \_\_\_\_\_

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h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?  Yes  No

ii. Do any wetlands or other waterbodies adjoin the project site?  Yes  No  
 If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?  Yes  No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 864-472, 864-473, 864-474 (Bailey Brook) Classification Perennial
- Lakes or Ponds: Name Teatown Lake Classification B
- Wetlands: Name Federal Wetland Class PF01C Approximate Size 2.06 Acres
- Wetland No. (if regulated by DEC) \_\_\_\_\_

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No  
 If yes, name of impaired water body/bodies and basis for listing as impaired: Teatown Lake; Algal growth and nutrients; Recreation

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i. Is the project site in a designated Floodway?  Yes  No

j. Is the project site in the 100-year Floodplain?  Yes  No

k. Is the project site in the 500-year Floodplain?  Yes  No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No  
 If Yes:

i. Name of aquifer: Principal Aquifer

m. Identify the predominant wildlife species that occupy or use the project site: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Typical mammalian species for the area. \_\_\_\_\_ Typical Reptiles and Amphibians. \_\_\_\_\_  
 Typical Avian species \_\_\_\_\_

n. Does the project site contain a designated significant natural community?  Yes  No  
 If Yes:  
 i. Describe the habitat/community (composition, function, and basis for designation): \_\_\_\_\_  
 \_\_\_\_\_  
 ii. Source(s) of description or evaluation: \_\_\_\_\_  
 iii. Extent of community/habitat:  
 • Currently: \_\_\_\_\_ acres  
 • Following completion of project as proposed: \_\_\_\_\_ acres  
 • Gain or loss (indicate + or -): \_\_\_\_\_ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species?  Yes  No  
 If Yes:  
 i. Species and listing (endangered or threatened): \_\_\_\_\_  
 Please see McDowell, M (2019) Plants of Wildflower Island and Native and Legal Status. Teatown Lakes Reservation attached as appendix A

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern?  Yes  No  
 If Yes:  
 i. Species and listing: \_\_\_\_\_  
 Please see McDowell, M (2019) Plants of Wildflower Island and Native and Legal Status. Teatown Lakes Reservation attached as appendix

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing?  Yes  No  
 If yes, give a brief description of how the proposed action may affect that use: \_\_\_\_\_  
 Fishing is a TLR member only benefit that requires a limited special permit.

**E.3. Designated Public Resources On or Near Project Site**

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304?  Yes  No  
 If Yes, provide county plus district name/number: WEST 001

b. Are agricultural lands consisting of highly productive soils present?  Yes  No  
 i. If Yes: acreage(s) on project site? \_\_\_\_\_  
 ii. Source(s) of soil rating(s): \_\_\_\_\_

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark?  Yes  No  
 If Yes:  
 i. Nature of the natural landmark:  Biological Community  Geological Feature  
 ii. Provide brief description of landmark, including values behind designation and approximate size/extent: \_\_\_\_\_  
 \_\_\_\_\_

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area?  Yes  No  
 If Yes:  
 i. CEA name: County and State Parklands  
 ii. Basis for designation: Exceptional or unique character  
 iii. Designating agency and date: Westchester County 1/31/1990

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?  Yes  No

If Yes:

i. Nature of historic/archaeological resource:  Archaeological Site  Historic Building or District

ii. Name: The Croft

iii. Brief description of attributes on which listing is based:  
Tudor Revival House

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f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?  Yes  No

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g. Have additional archaeological or historic site(s) or resources been identified on the project site?  Yes  No

If Yes:

i. Describe possible resource(s): \_\_\_\_\_

ii. Basis for identification: \_\_\_\_\_

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h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?  Yes  No

If Yes:

i. Identify resource: Several state and local parks within 5 miles. The proposed dredge will not impact any of these resources.

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): \_\_\_\_\_

iii. Distance between project and resource: \_\_\_\_\_ miles.

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i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?  Yes  No

If Yes:

i. Identify the name of the river and its designation: \_\_\_\_\_

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666?  Yes  No

**F. Additional Information**


Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name TIMOTHY K. JUDGE Date 8/11/23

Signature  Title Permit Assessor, EcoAssessments, LLC