Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

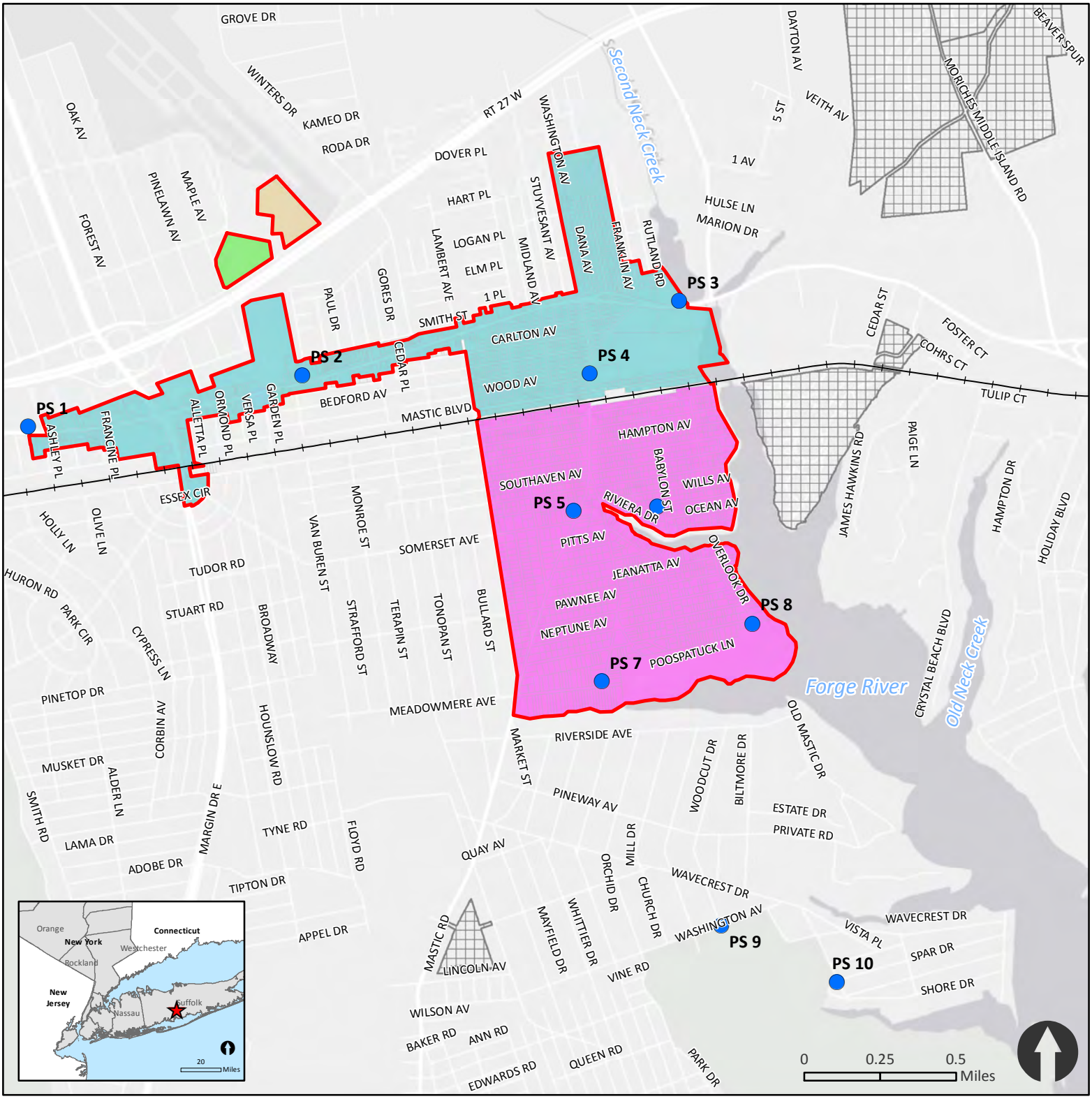
Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

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 project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Sponsor Information.

Name of Action or Project: Forge River Watershed Sewer Project		
Project Location (describe, and attach a general location map): Town of Brookhaven		
Brief Description of Proposed Action (include purpose or need): The Proposed Action involves the establishment of a County sewer district by converting the unsewered study area of the Montauk Highway Business Corridor from just west of the William Floyd Parkway, east to the Forge River, and includes most of the densely developed residential area within the two-year groundwater travel time to the Forge River (see Figure 1). This study area encompasses land in the hamlets of both Mastic and Shirley within the Town of Brookhaven, New York. The purpose of the Proposed Action is to mitigate short-term impacts to human life and property associated with on-site sewage disposal system failures, as well as long-term impacts to coastal wetlands. The project is needed to prevent future failures of on-site sewage disposal systems. The proposed project would mitigate the loss of capacity to on-site sewage disposal systems by connecting the parcels in the study area to a new sewer collection system that would flow to a proposed new sewage treatment plant. The total wastewater or sanitary flow from the study area is projected to be 1.0 million gallons per day (MGD). A combination of gravity sewers and low-pressure sewers would be constructed. Sanitary wastewater from the proposed Mastic-Shirley sewer district would be conveyed to a new sewage treatment plant (STP) to be constructed on a 12.9 acre parcel located on the Town of Brookhaven's Calabro Airport, which would be a membrane bioreactor facility that provides the limits of technology for nitrogen removal.		
Name of Applicant/Sponsor: Suffolk County	Telephone: (631) 852-4010 E-Mail:	
Address: 335 Yaphank Avenue		
City/PO: Yaphank	State: New York	Zip Code: 11980
Project Contact (if not same as sponsor; give name and title/role): Thomas J. King, Director – Bureau of Environmental Review and Assessment	Telephone: (518) 473-0015 E-Mail: Thomas.King@StormRecovery.NY.Gov	
Address: Governor's Office of Storm Recovery, 99 Washington Avenue, Suite 1224		
City/PO: Albany	State: New York	Zip Code: 12260
Property Owner (if not same as sponsor): Suffolk County and the Town of Brookhaven	Telephone: 631-451-8696 E-Mail:	
Address: 1 Independence Hill		
City/PO: Farmingville	State: New York	Zip Code: 11738



Legend

- Project Area
- Pump Stations
- Project Area Parcels
- Private Sewer Areas
- MTA Long Island Rail Road

Proposed Sewer District Phases

- Phase 1
- Phase 2

Proposed AWTF

- Advanced Wastewater Treatment Facility Parcel
- Advanced Wastewater Treatment Facility Expansion Area

Note: Final number of parcels to be connected would be determined during detailed engineering design.

Figure 1

Project Area

Forge River Watershed Sewer Project

Source: Suffolk County GIS; NYS Dept. of State; ESRI World Light Gray Map;
CP8189 Suffolk County Sewer Capacity Study (CDM Smith, H2M, Browne AE&T Group)

Louis Berger

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, or Village Board of Trustees ☐Yes ☐No		
b. City, Town or Village Planning Board or Commission ☒Yes ☐No	Brookhaven Planning Board	TBD
c. City Council, Town or Village Zoning Board of Appeals ☐Yes ☐No		
d. Other local agencies ☐Yes ☐No		
e. County agencies ☒Yes ☐No	Suffolk County Dept. Health Svcs./DPW (Design reqs.), Suffolk County (Art. 6, 7, 9, 12 reqs.), Suffolk County Planning Board Review	TBD
f. Regional agencies ☒Yes ☐No	MTA-LIRR	TBD
g. State agencies ☒Yes ☐No	NYSDOS (Coastal Consistency); DEC (Art. 25, SPDES); OPRHP (Section 106, 14.09), NYSOSC (Part 85 Application)	TBD
h. Federal agencies ☒Yes ☐No	USACE (Sections 401/404, 10); USFWS (Section 7); EPA Section (1424(e)); FAA	TBD

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☒Yes ☐No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☒No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☒No

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):

Long Island South Shore Estuary Reserve Comprehensive Management Plan (2001), Suffolk County Comprehensive Water Resources Mangement Plan (2010, update in progress, anticipated 2015), Suffolk County Brownfield Opportuntiy Area (2012)

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):

Montauk Highway Corridor Study & Land Use Plan for Mastic & Shirley (Phase I and II (2004, 2010), Suffolk County Master Plan, Suffolk County - Comprehensive Plan 2035, Mastic Beach and Smith Point of Shirley - NY Rising Community Reconstruction Plan, Town of Brookhaven Comprehensive Land Use Plan, 1995 Tri-Hamlet Comprehensive Plan for Mastic Shirley

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?

The project area encompasses parcels in a mix of zoning classifications, including residence, business, industry, right of way, and split residence and business. A portion of the parcels are included within the Montauk Hwy Corridor Transitional Area Overlay District.

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? Longwood Central School District

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

Suffolk County Police Department, 7th Precinct

c. Which fire protection and emergency medical services serve the project site?

Mastic Fire Department, Mastic Ambulance Company, Shirley Community Ambulance

d. What parks serve the project site?

Mastic Skate Park, Mastic Memorial Park, Airport Park, Forge River Marina, Forge River Fishing Pier

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)? The proposed action includes wastewater infrastructure improvements that would serve residential, industrial and commercial components.

b. a. Total acreage of the site of the proposed action? 750.0 acres
b. Total acreage to be physically disturbed? 80.0 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? approximately 30 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 proposed action be constructed in multiple phases? ☒ Yes ☐ No
i. If No, anticipated period of construction: 36 months
ii. If Yes:

- Total number of phases anticipated 2
- Anticipated commencement date of phase 1 (including demolition) TBD month TBD year
- Anticipated completion date of final phase 3 years after commencement of construction
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: TBD

f. Does the project include new residential uses? ☐ Yes ☒ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
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 3

ii. Dimensions (in feet) of largest proposed structure: 15 height; 80 width; and 400 length

iii. Approximate extent of building space to be heated or cooled: 32,000 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? to construct a wastewater treatment facility, new sewer mains, and on-site grinder stations.

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): approximately 1,055,000 cubic yards
- Over what duration of time? To be determined during detailed engineering design and will be discussed in the EIS.

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

Material includes Carver and Plymouth sands, atsion sand, cut and fill land, swansea muck, plymouth loamy sand, recharge basin, riverhead sandy loam, water and wareham loamy sand according to USDA Web Soil Survey. Suitable material will be reused, and remaining will be hauled to an approved facility.

iv. Will there be onsite dewatering or processing of excavated materials? ☒ Yes ☐ No

If yes, describe. Dewatering will be required in some locations within the study area, but will not be required at portions of the area at the airport. Areas with groundwater at a depth of less than 10 feet would require dewatering and some gravity sewer system components.

v. What is the total area to be dredged or excavated? approximately 80 acres

vi. What is the maximum area to be worked at any one time? approximately 16 acres

vii. What would be the maximum depth of excavation or dredging? approximately 25 feet

viii. Will the excavation require blasting? ☐ Yes ☒ No

ix. Summarize site reclamation goals and plan: _____

Suitable soils will be placed back into utility trenches and compacted per utility requirements. Remaining excavated material would be hauled by an approved excavation contractor to a licensed disposal facility.

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): The construction of sewer infrastructure and grinder stations may potentially result in the alteration of, increase or decrease in size of, or encroachment into existing wetlands or adjacent areas. Potential effects are to be determined and will be discussed in the EIS.

According to USFWS National Wetland Inventory, the wetland types that are represented within the project area include Estuarine and Marine Deepwater, Estuarine and Marine Wetland, Freshwater Forested/Shrub, Wetland, and Freshwater Pond.

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:

Potential effects are to be determined and will be discussed in the EIS.

iii. Will proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☒ No
If Yes, describe: _____

iv. Will 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: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____
Efforts will be made to reuse anything that can be reused onsite. What cannot be reused would be taken to state licensed disposal facility.

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), 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: 1,000,000 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): _____
The additional flow when all parcels are connected to the new collection system is estimated approximately 1,000,000 gallons per day (GPD).

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 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: Suffolk County
- Date application submitted or anticipated: At the conclusion of the NEPA/SEQRA process (end of 2016).
- What is the receiving water for the wastewater discharge? Wastewater from a newly constructed watershed sewer system

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):

A new public facility would be used.

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

None.

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:

i. How much impervious surface will the project create in relation to total size of project parcel?

114,480 Square feet or 2.63 acres (impervious surface)

_____ Square feet or 750.00 acres (parcel size)

ii. Describe types of new point sources. Construction of point sources include ditches for installation of sewer infrastructure.

iii. 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)?

Stormwater runoff will be directed to the groundwater.

- If to surface waters, identify receiving water bodies or wetlands: _____

To be determined during engineering design.

- Will stormwater runoff flow to adjacent properties? ☐ Yes ☒ No

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

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:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

None during operations. During the construction phase of the project, construction equipment will be minor mobile sources of air emissions.

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

TBD based on design specifications of proposed wastewater treatment facility. Provided in EIS.

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

TBD based on design specifications of proposed wastewater treatment facility. Provided in EIS.

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:

i. 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

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (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): TBD in EIS based on U.S. EPA's equations for centrally treated aerobic systems.

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): TBD in EIS.

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):

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 semi-trailer truck trips/day: _____

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 ½ 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

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: _____

Estimate is based on treatment of 1,000,000 gallons per day which comes to approximately $345,000/year equating to 250 to 300 horse power range.

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

Grid/local utility would provide power to proposed wastewater treatment facility. Long Island Power Authority, 25 Hub Drive, Melville, New York, 11747

iii. Will the proposed action require a new, or an upgrade to, an existing substation? ☐ Yes ☒ No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 7:00 AM - 3:00 PM
- Saturday: _____
- Sunday: None
- Holidays: None

ii. During Operations:

- Monday - Friday: Infrastructure operates 24 hours
- Saturday: per day 7 days per week
- Sunday: _____
- Holidays: _____

*Potential night work required on Montauk Highway.

TBD based on Maintenance and Protection of Traffic Plan.

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:

During construction, noise sources would include construction equipment. Specifics are to be determined. No noise sources would exceed ambient noise levels during operations.

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? ☒ Yes ☐ No

Describe: The tree removal at the proposed treatment facility site at the intersection of Sunrise Service Rd N. and Maple Avenue could pose as the removal of a noise barrier for surrounding residents and the noise associated with Sunrise Highway (58N).

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:

The proposed wastewater treatment facility would include minimal outdoor lighting. Specifics are to be determined and provided in EIS.

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: _____

Operational impacts would predominantly entail odors created by the bacterial breakdown of sewage in wastewater. The magnitude of air impacts will be encapsulated in the building to prevent odors from having impacts outside of the facility.

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 ~3,000 gallons of diesel fuel for the emergency generator onsite; ~1,000 gallons of methanol for sewage processing to meet the 5mg/l nitrogen discharge limit; and ~1,000 gallons of caustic for sewage processing/odor control..

ii. Volume(s) See above per unit time TBD (e.g., month, year)

iii. Generally describe proposed storage facilities: The storage facilities for each of these tanks will be above ground, double walled tanks with leak detection and overfill protection.

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 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:

The project spans approximately 750 acres and includes a mix of land uses, with primarily residential, commercial, and non-vacant lands, as well as roadways (transportation/utility land uses). Aquatic land uses occur adjacent to the project area (Forge River and its tributaries).

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	13.67	13.67	0.00
• Forested	0.00	0.00	0.00
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	87.78	85.15	2.63
• Agricultural (includes active orchards, field, greenhouse etc.)	0.00	0.00	0.00
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.59	0.59	0.00
• Wetlands (freshwater or tidal)	17.96	17.96	0.00
• Non-vegetated (bare rock, earth or fill)*	628.42	631.05	2.63
• Other Describe: _____	0.00	0.00	0.00

*Non-vegetated acreage accounts for landcover classified as residential, commercial, industrial, and institutional.

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

i. If Yes: explain: _____

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:

None

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

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:

Hazardous wastes may have been generated, treated and/or disposed of within the project study area. This information is to be determined and will be discussed further in the EIS.

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): _____

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

☐ 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):

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: _____

This information is to be determined and will be discussed in the EIS.

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? greater than 6 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

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

Riverhead sandy loam, 0-3% slopes	59.5 %
Plymouth loamy sand, 0-3% slopes	10.5 %
Carver & Plymouth sands, 3-15%	9.8 %

d. What is the average depth to the water table on the project site? Average: 22 feet

e. Drainage status of project site soils:
☑ Well Drained: 63.2 % of site
☑ Moderately Well Drained: 8.4 % of site
☑ Poorly Drained 0.8 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 87.9 % of site
☑ 10-15%: 9.8 % of site
☑ 15% or greater: 2.1 % of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

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 920-22 Classification SC
- Lakes or Ponds: Name 920-15, 920-19, 920-14, 920-22 Classification SC, SA
- Wetlands: Name Federal Waters, Federal Waters, Federal Waters,... Approximate Size NYS Wetland (in a...
- Wetland No. (if regulated by DEC) M-7, M-2, M-1

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: _____
Name - Pollutants - Uses:Forge River, Lower and Cove – Pathogens – Shellfishing, Name - Pollutants - Uses:Tidal tribs to West M...

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: Sole Source Aquifer Names:Nassau-Suffolk SSA

m. Identify the predominant wildlife species that occupy or use the project site:

Small mammals and cosmopolitan bird species such as Eastern gray squirrel (Sciurus carolinensis), American robin (Turdus migratorius), blue-jay (Cyanocitta cristata), mourning dove (Zenaida macroura), house sparrow (Passer domesticus), and European starling (Sturnus vulgaris).

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):

Red Maple-Blackgum Swamp

ii. Source(s) of description or evaluation: NYCDEC EAF Mapper

iii. Extent of community/habitat:

- Currently: 37.22 acres
- Following completion of project as proposed: TBD in EIS acres
- Gain or loss (indicate + or -): TBD in EIS 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

Birds: Piping Plover (Charadrius melodus), Red Knot (Calidris canutus rufa), Roseate Tern (Sterna dougallii dougallii)
Flowering Plants: Sandplain Gerardia (Agalinis acuta), Seabeach Amaranth (Amaranthus pumilus)
Mammals: Northern Long-eared Bat (Myotis septentrionalis)
There is no critical habitat within this project area.

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

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, effect to be determined and discussed in the EIS.

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:

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: Coastal Zone Area South

ii. Basis for designation: Protect public health, open space and wetlands

iii. Designating agency and date: Date:5-18-87, Agency:Brookhaven, Town of

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? ☐ Yes ☑ No

If Yes:

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

ii. Name: _____

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

_____

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

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: _____

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

If Yes:

i. Identify resource: _____

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.

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

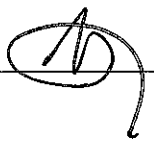
Attach any additional information which may be needed to clarify your project.

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 Suffolk County Date November 13, 2015

Signature  Title Deputy County Executive

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