

Appendix O New York State Environmental Quality Review Act Full Environmental Assessment Form Part 1, Part 2, and Addendum

**Environmental Analysis of the
South Brooklyn Marine Terminal
Port Infrastructure Improvement Project**

Brooklyn, NY

New York State Environmental Quality Review Act (SEQR)

Full Environmental Assessment Form

Part 1 & Part 2

October 2022

Submitted to: New York State Department of Environmental Conservation (NYSDEC)

**Submitted by: New York City Economic Development Committee (NYCEDC), on
behalf of the City of New York**

Prepared by: AECOM Technical Services

**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: South Brooklyn Marine Terminal Port Infrastructure Improvement Project		
Project Location (describe, and attach a general location map): South Brooklyn Marine Terminal, 29th St to 39th St, between waterfront and 2nd Ave, Brooklyn, NY 11232 Block 662/Lots 1 [part], 130, 136, 137, 155		
Brief Description of Proposed Action (include purpose or need): The purpose of the SBMT Port Infrastructure Improvement Project is to upgrade SBMT to enable it to serve as a staging facility and operations and maintenance base for the offshore wind (OSW) industry. The Proposed Project is needed to support the development of OSW power generation capacity to fulfill New York State's mandate of 9,000 megawatts (MW) of OSW energy capacity by 2035, the United States' goal of 30 gigawatts (GW) of OSW capacity by 2030, and New York City's Offshore Wind Vision plan. The proposed facility improvements will allow the staging, pre-assembly and transfer of materials used in offshore wind projects; and will provide access to marine vessels and ground transport. Proposed elements include bulkhead improvements to the existing landfill "piers" and "interpier" areas, new pile supported and floating platforms, new fenders for vessel mooring, upgrades to landfill "pier" infrastructure, including a regraded riprap slope at 35N, administration facility and warehouse, operations and maintenance buildings, and site utilities. The Proposed Project also requires dredging of approximately 189,000 cubic yards (CY) of sediments to enable safe vessel access to berthing areas.		
Name of Applicant/Sponsor: New York City Economic Development Corporation (NYCEDC) (c/o Rebecca Gafvert, Senior Vice President)	Telephone: 212.618.5763	E-Mail: rgafvert@edc.nyc
Address: 1 Liberty Plaza, 14th Floor		
City/PO: New York	State: New York	Zip Code: 10006
Project Contact (if not same as sponsor; give name and title/role):	Telephone:	E-Mail:
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): New York City Department of Small Business Services (c/o Anthony Dell'Olio)	Telephone: 212.513.6428	E-Mail: ADellolio@sbs.nyc.gov
Address: 1 Liberty Plaza, 11th Floor		
City/PO: New York	State: New York	Zip Code: 10006

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 Counsel, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
c. City, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See EAF Attachment (Page 1)	
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	See EAF Attachment (Pages 1 and 2)	
h. Federal agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See EAF Attachment (Pages 1 and 2)	
<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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><i>ii.</i> Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input checked="" type="checkbox"/> Yes <input 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 For more information, refer to Attached Sheets (Page 2,3)

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):

NYS Heritage Area: Harbor Park; Southwest Brooklyn Industrial Business Zone _____

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?
 M3-1 - Manufacturing District; Southwest Brooklyn Industrial Business Zone

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? Brooklyn NY School District 15

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

c. Which fire protection and emergency medical services serve the project site?
 Fire Department of New York

d. What parks serve the project site?
 NYC Department of Parks and Recreation. D'Emic Playground approximately 1,100 ft to east of Project Area, Gonzalo Plasencia Playground approximately 1,200 ft to southeast of Project Area, and Bush Terminal Piers Park is located approximately 2,000 ft to the south of the Project Area.

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)? Industrial. Port infrastructure improvements to enable staging, construction, and operations and maintenance of offshore wind energy generation and transmission facilities.

b. a. Total acreage of the site of the proposed action? 80.30 acres
 b. Total acreage to be physically disturbed? 40.30 acres
 c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 101.52 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)?

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: _____ 32 months
 ii. If Yes:
 • Total number of phases anticipated _____ 1
 • Anticipated commencement date of phase 1 (including demolition) _____ Nov month _____ 2023 year
 • Anticipated completion date of final phase _____ Jun month _____ 2026 year
 • Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____
 Project will start with above-water demolition and removal of pavement. Bulkhead replacement and reinforcement scheduled for January 2024, dredging scheduled for Summer and Fall 2024 and Fall 2025. Above-ground work to progress throughout the schedule.

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 11 (6 in-water structures, 3 ground structures, 2 above-ground buildings, temporary facilities on a rental basis)

ii. Dimensions (in feet) of largest proposed structure: 32.8' height; 210' width; and 390' length

iii. Approximate extent of building space to be heated or cooled: 60,000 sf (O&M base) and maximum of 16,000 sf for temporary facilities

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) [See attached sheets for further information on this section]

If Yes:

i. What is the purpose of the excavation or dredging? deepening of water column to allow vessel access, installation of piles and structures

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

• Volume (specify tons or cubic yards): 1,327,836 tons (see EAF Attachment (page 4))

• Over what duration of time? 32 months

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

Marine sediments and upland fill. Material will be disposed of at appropriately permitted upland disposal facility. See EAF Attachment (page 4).

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

If yes, describe. Dewatering of sediments to occur on barges, following regulations. See EAF Attachment (page 4).

v. What is the total area to be dredged or excavated? 14.20 marine dredging and 26.10 upland acres

vi. What is the maximum area to be worked at any one time? 40.30 acres

vii. What would be the maximum depth of excavation or dredging? -43 ft MHW, [-38.1 ft MLLW] feet

viii. Will the excavation require blasting? Yes No

ix. Summarize site reclamation goals and plan: _____

Site will be partially reclaimed by new bulkhead and pile-supported structures, remainder will be left as dredged open bay habitat. Habitats will largely be similar unconsolidated silt sediment habitat. See included EAF Attachment (page 4).

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):

Upper New York Bay. Index # (MW1.3) UB. Intrusion of 0.05 acres and shading of 0.53 acres of marine habitat. Tidal wetland impacts of 0.16 acres of lost habitat but removal of the cofferdam and associated fill at 35W would reduce volume of existing fill occupying the water column and the area of mudline disturbance by approximately 0.08 acres resulting in a net loss of 0.08 acres of unvegetated tidal wetland habitat. See JPA's PIP for details. A 14.2-acre area dredged to remove approximately 189,000 CY of sediments. Sand capping of 9,033 CY to be placed on post-dredging surface in Areas 2.1A and 2.3 (see EAF Attachment [page 7]).

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:
See EAF Attachment (page 5) for detailed information.

iii. Will the proposed action cause or result in disturbance to bottom sediments? Yes No
 If Yes, describe: See EAF Attachment (page 5)

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: _____
- 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:
Sand capping of 9,033 CY of clean sand in Areas 2.1A and 2.3 after the areas are dredged.

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: _____ 5,700 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): _____
Sanitary wastewater associated with the proposed operations and maintenance building on the Project Site. 5,700 gallons/day rate estimated using the commercial/office sewage generation rate in the 2021 CEQR Technical Manual (Chapter 13 Water and Sewer Infrastructure, page 13-12).

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

- Name of wastewater treatment plant to be used: Owls Head Wastewater Treatment Plant
- Name of district: Owls Head Wastewater Resource and Recovery Facility (NYCDEP)
- 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):
 TBD

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____
 No plans to capture, recycle, or reuse liquid waste.

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?
Project would create 4,970 sqft (0.11 acres) new impervious surfaces via bulkhead replacement seaward, which would divert runoff to stormwater system.
 Replaced bulkheads on south side of 39th Street "Pier" (39S), west side of 39th Street "Pier" (39W),
 ii. Describe types of new point sources, north side of 35th Street "Pier" (35N), west side of 35th Street "Pier" (35W), and along bulkhead between 32nd and 33rd Streets

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 onsite will be directed into and treated by an updated stormwater management system. During construction, a SWPPP (in conformance with SPDES GP-0-20-001) would be prepared and implemented, and NYSDEC stormwater guidance would be followed, as applicable. See Attached Pages (Page 5)
 • If to surface waters, identify receiving water bodies or wetlands: _____
 A portion of stormwater will be directed to Upper New York Bay. See Attached Sheets (Page 5).
 • 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

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)
 See EAF Attachment (page 6)
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)
 See EAF Attachment (page 6)
 iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)
 See EAF Attachment (page 6)

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 (CO₂)
 • _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
 • _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
 • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
 • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (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): _____

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 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

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: _____
 _____ Energy demands (for new lighting and operations) will not be significant on the existing power grid.

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

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.

<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: 7a-6p most actions; 24 hr for dredging • Saturday: 8a-4p as necessary _____ • Sunday: 8a-4p as necessary _____ • Holidays: _____ 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24 hours/ day _____ • Saturday: _____ 24 hours/ day _____ • Sunday: _____ 24 hours/ day _____ • Holidays: _____ 24 hours/ day _____
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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 only - See EAF Attachment (page 6) for details _____

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:
 The location of high mast lighting (120' high) will be kept at a minimum and coordinated with location of cranes, pads, and buildings. _____

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: See EAF Attachment (p. 6) tons per _____ (unit of time)
 • Operation : See EAF Attachment (p. 6) 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: Reuse onsite will be done when possible. Beneficial reuse of all solid wastes will be implemented if the material is determined to be a candidate.

 • Operation: Solid waste will be negligible and incidental to operations (e.g., packing materials, office waste).

 iii. Proposed disposal methods/facilities for solid waste generated on-site:
 • Construction: Material not re-used will be disposed of in an appropriate facility, in a matter that conforms to all regulations and permit conditions.

 • 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:
 Site is an active terminal. Bush Terminal lands (to south and west) are a mix of unused and commercial land use. Bush Terminals includes Industry City to the east.
 SIMS Recycling center is adjacent to North.

b. Land uses and coverytypes on the project site.

Land use or Coverytype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	66.10	66.21	+0.11
• Forested	--	--	--
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	--	--	--
• Agricultural (includes active orchards, field, greenhouse etc.)	--	--	--
• Surface water features (lakes, ponds, streams, rivers, etc.)	33.51	33.46	-0.05
• Wetlands (freshwater or tidal)	0.99	0.91	-0.08
• Non-vegetated (bare rock, earth or fill)	0.10	0.10	0
• Other Describe: _____	--	--	--

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:
Intermediate School 136 Charles O. Dewey is approximately 1500 ft southeast of Project Area (separated from Project Area by 2nd Ave & 3rd Ave).

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:
PCB-containing transformers were observed during site investigations in 2018 & 2022. The following sites may have been located on the property but location info. is not exact: Intl Term Opt Co (ignitable and corrosive wastes); NYNEX (lead waste, 1995); Dept Ports Intl Trade & Comm (PCBs in 1994).

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): 2204215, 8801529, 9714187, 9714188, 9714189, 9714190
 Yes – Environmental Site Remediation database Provide DEC ID number(s): C224360
 Neither database
ii. If site has been subject of RCRA corrective activities, describe control measures:
The terminal was identified on the RCRA NonGen/NLR and CORRACTS databases in association with the former generation of hazardous waste. The facility received notices of violation in 1985, resolved by 1987 & PCB recordkeeping violations w/ resolution 1994. Five spill nos. were listed as closed.
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): 224011, B00031, C224148, 224133, C224043, C224360, 2204215
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):
NYSDEC Spill Nos 9714187, 9714188, 9714189, 9714190, closed 2005. Spill No 8801529 closed in 1988. Spill No. 2204215 closed in 2022. RCRA violations from 1985, corrected in 1987 & from 1994 were corrected in 1994. According to the Env. Site Remediation Database, 224011 (Rear of Bush Terminal Building) is a dump, a remedial alternatives report has been prepared; B00031 (Bush Terminal Landfill Piers 1-4) has been remediated & residuals are managed.

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: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? _____ 15 - 125 feet below grade level

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:

Urban land-Laguardia complex	_____	100 %
(ULA), 0-3 percent slopes	_____	_____ %
_____	_____	_____ %

d. What is the average depth to the water table on the project site? Average: _____ 3-6 feet below grade level

e. Drainage status of project site soils: Well Drained: _____ % of site
 Moderately Well Drained: _____ 50 % of site
 Poorly Drained _____ 50 % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 100 % of site
 10-15%: _____ % of site
 15% or greater: _____ % 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 _____ Classification _____
- Lakes or Ponds: Name 890-6 Classification ! _____
- Wetlands: Name riprap slopes bordering Upper New York Bay Approximate Size 0.99 acres
- Wetland No. (if regulated by DEC) N/A _____

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: Upper New York Bay – Priority Organics; Metals – Fish Consumption. See JPA's DUSR for further information.

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: Kings/Queens Counties (Brooklyn-Queens) Sole Source Aquifer _____

m. Identify the predominant wildlife species that occupy or use the project site: Ring-billed gull _____ European Starling _____ Norway rat _____ Canada goose _____ _____ _____	
n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: i. Species and listing (endangered or threatened): __The following may occur in the project area: _____ Piping Plover, Red Knot, Roseate Tern, Seabeach Amaranth, Atlantic Sturgeon, Shortnose Sturgeon, Loggerhead Turtle, Leatherback Turtle, Green Turtle, and Kemp's Ridley Turtle are mapped as occurring in the Project Area. See PIP Appendix E - Biological Assessment for detailed information.	
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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: i. Species and listing: __The following may occur in the project area: _____ Atlantic Sturgeon, Shortnose Sturgeon, Loggerhead Turtle, Leatherback Turtle, Green Turtle, Kemp's Ridley Turtle, Roseate Tern, Red Knot, and Piping Clover are species of special concern listed by NYSDEC. See PIP Appendix E - Biological Assessment.	
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, give a brief description of how the proposed action may affect that use: _____ _____	
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, provide county plus district name/number: _____	
b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: i. CEA name: _____ ii. Basis for designation: _____ iii. Designating agency and date: _____	

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: Adjacent to National Register-eligible Bush Terminal Historic District, and National Register-listed Navy Storehouse #2

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

New York State Historic Preservation Office (SHPO) Cultural Resource Information System (CRIS) USN #s 04701.019392 and 12NR06399.

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 five 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 Rebecca Gafvert Date 09/27/2022

Signature  Title Senior Vice President, Land Use

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Agency Use Only [If applicable]

Project :
 Date :

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer “**Yes**” to a numbered question, please complete all the questions that follow in that section.
- If you answer “**No**” to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box “Moderate to large impact may occur.”
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the “whole action”.
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1) <i>If “Yes”, answer questions a - j. If “No”, move on to Section 2.</i>			
		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: The Proposed Action is located in the State's Coastal Zone Boundary as well as the New York City Waterfront Revitalization Program (WRP). _____		<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)

NO

YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h)

NO

YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>

l. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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4. Impact on groundwater
 The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. NO YES
 (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)
If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	<input type="checkbox"/>	<input type="checkbox"/>
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

5. Impact on Flooding
 The proposed action may result in development on lands subject to flooding. NO YES
 (See Part 1. E.2)
If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in development within a 100 year floodplain.	E2j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in development within a 500 year floodplain.	E2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	<input checked="" type="checkbox"/>	<input type="checkbox"/>

g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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6. Impacts on Air			
The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) <i>If "Yes", answer questions a - f. If "No", move on to Section 7.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO ₂)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
ii. More than 3.5 tons/year of nitrous oxide (N ₂ O)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
iv. More than .045 tons/year of sulfur hexafluoride (SF ₆)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	<input type="checkbox"/>	<input type="checkbox"/>
vi. 43 tons/year or more of methane	D2h	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

7. Impact on Plants and Animals			
The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) <i>If "Yes", answer questions a - j. If "No", move on to Section 8.</i>		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	<input checked="" type="checkbox"/>	<input type="checkbox"/>

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____	E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

8. Impact on Agricultural Resources			
The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.)		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
<i>If "Yes", answer questions a - h. If "No", move on to Section 9.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	E1 a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

9. Impact on Aesthetic Resources The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.) <i>If "Yes", answer questions a - g. If "No", go to Section 10.</i>				<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur		
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>		
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>		
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile 1/2 -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>		

10. Impact on Historic and Archeological Resources The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.) <i>If "Yes", answer questions a - e. If "No", go to Section 11.</i>				<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur		
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical 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.	E3e	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

d. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
e. If any of the above (a-d) are answered “Moderate to large impact may occur”, continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii. The proposed action may result in the alteration of the property’s setting or integrity.	E3e, E3f, E3g, E1a, E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	<input checked="" type="checkbox"/>	<input type="checkbox"/>

11. Impact on Open Space and Recreation			
The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1. C.2.c, E.1.c., E.2.q.) <i>If “Yes”, answer questions a - e. If “No”, go to Section 12.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or “ecosystem services”, provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	<input type="checkbox"/>	<input type="checkbox"/>
e. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

12. Impact on Critical Environmental Areas			
The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d) <i>If “Yes”, answer questions a - c. If “No”, go to Section 13.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems.

 NO YES

(See Part 1. D.2.j)

If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action will degrade existing transit access.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy.

 NO YES

(See Part 1. D.2.k)

If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Other Impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting.

 NO YES

(See Part 1. D.2.m., n., and o.)

If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in routine odors for more than one hour per day.	D2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>

d. The proposed action may result in light shining onto adjoining properties.	D2n	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.)
If "Yes", answer questions a - m. If "No", go to Section 17.

NO

YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	<input checked="" type="checkbox"/>	<input type="checkbox"/>
m. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

17. Consistency with Community Plans The proposed action is not consistent with adopted land use plans. (See Part 1. C.1, C.2. and C.3.) <i>If "Yes", answer questions a - h. If "No", go to Section 18.</i>			
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	<input type="checkbox"/>	<input type="checkbox"/>
h. Other: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

18. Consistency with Community Character The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) <i>If "Yes", answer questions a - g. If "No", proceed to Part 3.</i>			
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	<input type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

**Environmental Analysis of the
South Brooklyn Marine Terminal Port Infrastructure Improvement Project
NY State Environmental Quality Review Act (SEQR)
Full Environmental Assessment Form (FEAF)
Attachment Pages**

Part I**1.1 Section B Government Approvals****Funding for the Project:**

Funding sources for the Proposed Project include:

- New York City Office of the Mayor capital funding
- New York State (NYS) Energy Research & Development Authority (NYSERDA)
- U.S. Department of Transportation (USDOT) Port Infrastructure Development Program (PIDP) Grant
- NYC Industrial Development Agency (NYCIDA)

Other Project Approvals

Federal agencies:

- US Army Corps of Engineers (USACE): Section 404 (Clean Water Act); Section 10 (Rivers and Harbors Act)
- National Oceanic and Atmospheric Administration (NOAA) Fisheries: Endangered Species Act (of 1973) (Section 7 Consultation), Magnuson-Stevens Fisheries Conservation and Management Act
- U.S. Coast Guard (USCG): Local Notice to Mariners
- Federal Aviation Administration (FAA): Obstruction Evaluation (Temporary and Permanent)

State Agencies:

- NYSDEC: Article 15 (Excavation and Fill in Navigable Waters); Article 25 (Tidal Wetlands); State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges for Construction Activities, Docks and Moorings; Section 401 Water Quality Certification
- NYS Historic Preservation Office (SHPO): National Historic Preservation Act Section 106 Consultation. SHPO determined No Adverse Effect upon historic properties on March 21, 2022.
- New York State Department of State (NYS DOS): Coastal Consistency Determination

Other local agencies:

- NYC Department of City Planning (NYC DCP): NYC Waterfront Revitalization Program (WRP) Coastal Consistency Determination
- NYC Public Design Commission (PDC): Design approval for permanent structures on City-owned property
- NYC Department of Transportation (NYC DOT): Coordination and review of transportation analyses
- Fire Department of the City of New York (FDNY): Coordination of potential relocation of existing fire hydrants

- NYC Department of Small Business Services (NYCSBS) Waterfront Construction Permit
- NYC Department of Environmental Protection (NYCDEP) Construction Noise Control Plan pursuant to the City of New York Administrative Code (Chapter 28 Title 15) Citywide Construction Noise Mitigation. Coordination and review of storm drainage, new outfalls or sewer connections
- NYC Department of Buildings (NYCDOB): Issues building permits and enforces safety regulations to protect workers and the general public during construction

No zoning changes are anticipated to be required for the Proposed Project.

C. Planning and Zoning

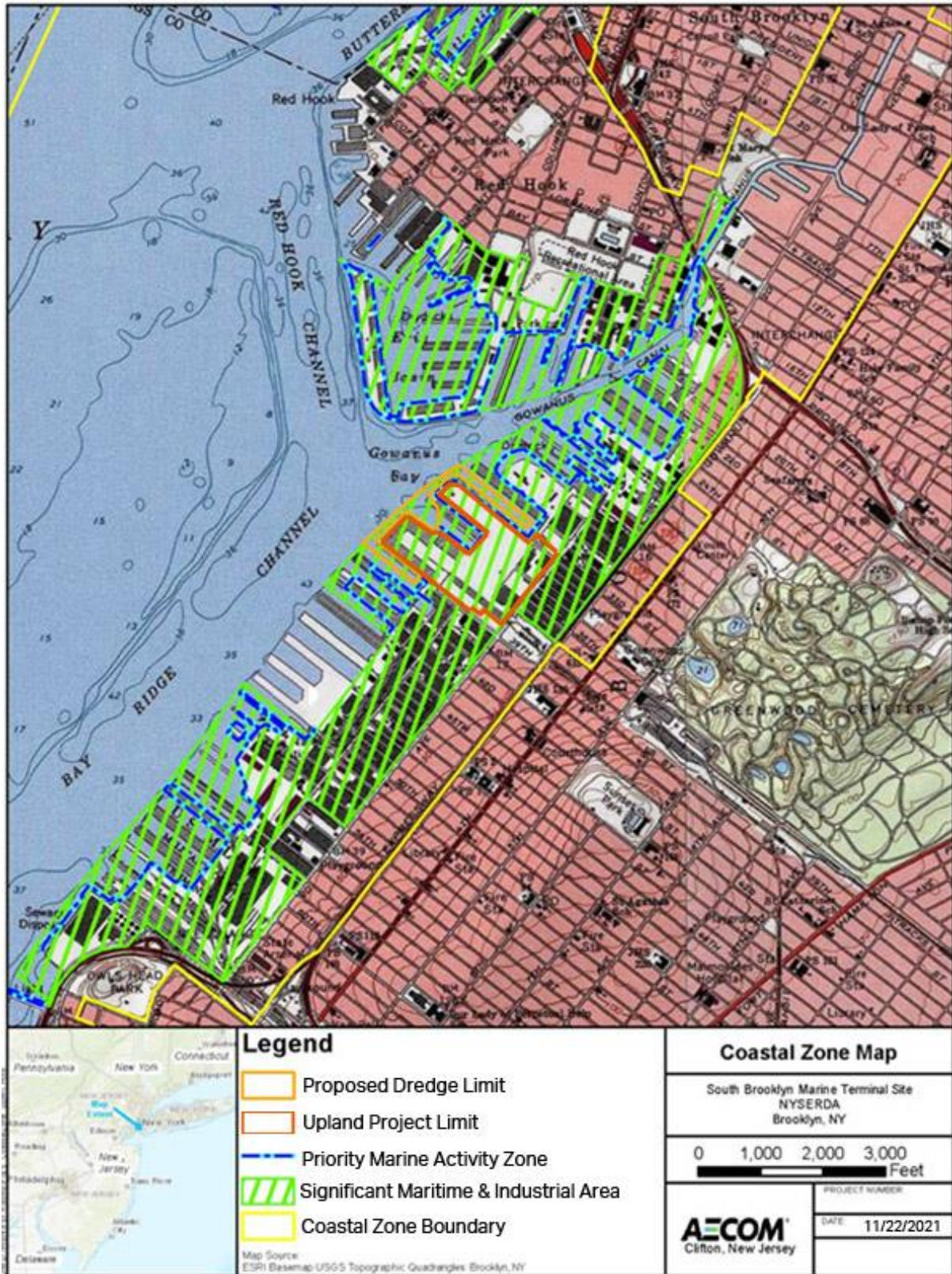
The Proposed Project is located in a M3-1 manufacturing zone.

Manufacturing districts are designated for creation of a range of industrial and manufacturing activities important to New York City's economy. M3 districts are designated for areas with heavy industries that generate noise, traffic, or pollutants. Typical uses include power plants, solid waste transfer facilities and recycling plants, and fuel supply depots. Even with this designation, all operations must conform to minimum performance standards. M3 districts are usually located near the waterfront and buffered from residential areas. M3-1 districts require a maximum floor area ration (FAR) of 2.0 and a Permitted Sign regulated surface area of 6x street frontage. Parking requirements vary by use in M3-1 zoning districts. The Project Area is within the Southwest Brooklyn Industrial Business Zone (IBZ).

The Proposed Project is located in a NYS Heritage Area (Harbor Park). NYS Heritage areas are a state-local partnership established to preserve and develop areas that have special significance to New York State.

The Project Area is located within the mapped coastal zone of New York State and within the area covered by the New York City Waterfront Revitalization Program. The Project Area is also within a mapped Significant Maritime and Industrial Area (SMIA) and a Priority Maritime Activity Zone (PMAZ). **(Error! Reference source not found.)** Refer to SBMT Environmental Analysis Section 3.2 (Land Use, Zoning and Public Policy) for a detailed discussion of issues related to land use, zoning, and policy and planning efforts in the vicinity of the Project Area.

Figure 1 Coastal Zone Map



1.2 Section D**D.2 Project Operations**

a.i. The purposes of upland excavation are to remove existing structures and paving and excavate to install new structural materials (i.e., support piles). The purpose of in-water dredging is to deepen the water column to allow vessels required for OSW construction and maintenance to access the port facility, including fully-laden draft depth.

a.ii. Total excavation: 1,327,836 tons

In-water: 428,423 tons (189,000 CY of silty sediments)

Upland: 750,000 tons [asphalt, concrete and fill]

28,700 tons [buildings]

+ 10% contingency amount

The total Proposed Project schedule will include onsite construction from November 2023 to the end of June 2026.

a.iii. Sediments to be dredged are predominantly black silts adjacent to the solid fill “pier” structures (which are bulkheaded landfill, rather than pile-supported structures over water). The sediments are contaminated. Full information regarding sediment characteristics is supplied in the Sediment Data Usability Summary Report (DUSR) attached to the Permit Information Packet (PIP) as Appendix G. Upland excavated materials are anticipated to be fill previously placed as part of the original installation of the SBMT facility in 1960. The material may be beneficially reused depending on its suitability for such uses.

a.iv. Excavated materials are anticipated to be disposed of offsite. Dredged sediments will be loaded on scows and will be dewatered and disposed of offsite in a manner adhering to all permit conditions. The material may be beneficially reused depending on its suitability for such uses.

a.v. The total area to be dredged or excavated is approximately 40.3 acres, which includes approximately 14.2 acres of proposed marine dredging, plus approximately 26.1 acres of upland excavation (of pavement, structures, and excavation to install underground structures).

a.vi. The maximum area to be worked at one time is 40.3 acres, the extent of the upland paving and structure removal, which is scheduled to be entirely removed during the early stage of work.

a.vii. The maximum depth of dredging is -38.1 feet MLLW (-43.0 feet MHW; -43.9 feet MHWS). The maximum target depth of dredging is -38.1 ft MLLW, with an expected 2 feet of over-depth. Other areas of dredging require less depth due to reduced required clearance for design vessel drafts. See attached Permit Drawings in the PIP for detailed information of dredging depths.

a.viii. No blasting will occur for excavation.

a.ix. Summarize site reclamation goals and plan.

The Project Area will be partially reclaimed by new bulkhead and pile-supported structures, and the remainder will be left as dredged open bay habitat. The Proposed Project in-water habitats after construction will largely be similar unconsolidated silt sediment habitat. Anticipated changes in sediment chemistry are summarized in the Data Usability Summary Report (DUSR) attached to the JPA's PIP as Appendix G. The deepened habitat is expected to be recolonized by adjacent benthic invertebrate populations, and exposed sediments will eventually be covered by natural process of sedimentation. The Project Area has experienced net sedimentation since previous dredge operations.

In addition, approximately 0.16 acres of unvegetated tidal wetlands will be filled. However, the removal of the cofferdam and associated fill at 35W would reduce the volume of existing fill occupying

the water column and the area of mudline disturbance by approximately 0.08 acres. In addition, the regrading of the slope associated with the installation of the wharf at 35N would temporarily disturb 0.31 acres of tidal wetland habitat, replacing it with similar material. In total, approximately 0.08 acres of unvegetated tidal wetlands would be removed.

- b.ii. The Proposed Project will install new bulkhead replacement and reinforcement, and new wharves and fenders into marine and tidal habitats. This will involve installation of pipe piles and sheet piles into the benthic and tidal habitat, and overlaying platforms that will shade both marine and tidal habitats. One floating concrete platform will occupy the top of the water column. Dredging will deepen the water column in the areas adjacent to the existing solid fill “pier” structures.

Please see the JPA’s PIP and Permit Drawings for detailed description of intended works.

- b.iii. Bottom sediments will be disturbed by the installation of structures and dredging. Structures include pipe piles and sheet piles associated with bulkhead replacement, bulkhead reinforcement, and new wharf structures. Dredging will occur in an area of 14.2 acres and will deepen the water column in order to allow vessels to access the SBMT facility. Approximately 0.05 acres of marine habitats will be removed and an additional 0.53 acres will be shaded by proposed structures. Further detail is supplied in the PIP.

- e.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 onsite will be directed into and treated by an updated stormwater management system. The improved stormwater system will divert stormwater from a portion of the site to the public wastewater system, with the remainder to receive treatment onsite from catch basins before discharge directly into Upper New York Bay.

During construction, a SWPPP (in conformance with NYCDEP SPDES GP-0-20-001) will be prepared, and NYSDEC stormwater guidance will be followed, as applicable. Refer to SBMT Environmental Analysis Section 3.11 (Water and Sewer) for further discussion of the water and sewer infrastructure in the Project Area.

- 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?*

Pollutant sources that could affect air quality include mobile and stationary sources, and construction activities. Mobile sources are related to vehicular traffic or other moving sources, such as vehicles, airplanes, trains, or boats. Mobile sources are generally linked to projects that add vehicles to an area or “change traffic patterns by diverting vehicles.” Stationary sources are pollutants that are fixed in a location and can include “exhaust stack(s) used for the heating, hot water, ventilation, and air conditioning systems of a building” amongst other manufacturing or industrial processes such as generators. Construction and operation activities can generate dust and exhaust emissions from equipment and vehicles. Construction and operation equipment operating within the Project Area can add exhaust emissions under the proposed action.

Building boilers and material handling equipment, such as cranes, would be the sources of air emissions under the proposed action. Potential off-site mobile source emissions from traffic would not be significant. Refer to SBMT Environmental Analysis Section 3.15 (Air Quality) for a discussion of off-site and on-site emissions.

- m.i. *Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?*

Effects on community noise levels during construction and operation under the proposed action would include operation of construction equipment within the demolition and construction areas and the equipment operations associated with the upgrade of SBMT as it serves as a staging facility and operations and maintenance base for the offshore wind industry. Noise levels at a given location are dependent on the type and quantity of construction or operational equipment to be operated, the

acoustical utilization factor of the equipment (i.e., the percentage of time a piece of equipment is operating), whether the equipment is enclosed in a building or in the open field, and the distance from the equipment to a noise sensitive receptor. The Proposed Project would produce noise that would exceed existing ambient noise levels during both construction and operation. However, the noise increases above the ambient condition would not exceed the City noise control code standards. SBMT Environmental Analysis, Part 2 provides an assessment of potential adverse noise impacts for more information about noise during construction and operation. For detailed discussions of potential noise impacts during operations and construction, refer to SBMT Environmental Analysis Section 3.17 (Noise) and Section 3.20.4.3 (Noise and Vibration)

r. Solid wastes management or disposal

Approximately 1,327,836 tons of solid waste are anticipated to be created during construction.

Total excavation: 1,327,836 tons

In-water: 428,423 tons (189,000 CY)

Upland: 750,000 tons [asphalt, concrete and fill]

28,700 tons [buildings]

+ 10% contingency amount

Dredged material (approximately 224,140 tons) will be disposed of at an appropriate upland site, in accordance with all applicable laws and permit requirements. Materials will be beneficially reused if the material is deemed suitable for such use

Upland fill (approximately 25,000 tons, included in the above) will be excavated to install structural piles (heavy lift pile), and for access, assessment, and replacement of utilities.

Construction waste is anticipated to be created throughout the 32-month period of construction, with a particular front loading of generation during initial site demolition.

Solid waste created during operation is expected to be negligible and incidental to operations (e.g., packing materials, office waste). Refer to SBMT Environmental Analysis Section 3.12 (Solid Waste and Sanitation) for further discussion of solid waste generation during operations.

PART II

1. Impact on land.

The Proposed Project involves a large volume of excavation and alteration of both upland and marine areas.

1.a. *The proposed action may involve construction on land where depth to water table is less than 3 feet.*

Water tables in the area are expected to be from 3 to 6 feet in depth. Excavation will be over areas reclaimed by filling.

1.d. *The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.*

Approximately 1,327,836 tons of material will be dredged or excavated. The vast majority of this material is anticipated to be manmade or contaminated from anthropogenic sources.

Upland: Approximately 778,700 tons of material will be removed from the site, the majority of which is existing structures and pavement. Excavation of existing soils/fill is expected to be entirely or predominantly into previously placed material.

Marine: Approximately 428,423 tons of sediments will be dredged. The dredged sediments that are predicted to be a combination of original sediments, building fill or debris, and naturally occurring (though contaminated) sediment that has settled over dredged and built surfaces. The entirety of the Proposed Project footprint has been previously disturbed.

1.e. *The proposed action may involve construction that continues for more than one year or in multiple phases.*

Construction is anticipated to be active from November 2023 until the end of June 2026, a time span of 32 months. Construction will be ongoing during that time. Detailed descriptions of the construction activities, phasing, and schedule are provided in SBMT Environmental Analysis Section 3.20.2 (Overview of Construction Activities).

1.h. *Other:* The Proposed Project is located in the State's Coastal Zone Boundary as well as within the New York City WRP area.

Impact of Geological Features. The Proposed Project will not impact geological features.

1. *Impacts on Surface Water.*

The Proposed Project is water dependent. Dredging and in-water construction activities are required to upgrade the facility to serve the Proposed Project's purpose.

3.c. *The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.*

The Proposed Project is anticipated to dredge approximately 189,000 cubic yards (CY) of material from Upper New York Bay. All dredging will occur in lands owned by the City of New York or where the City or NYCEDC has the right to perform dredging for navigational purposes.

3.d. *The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.*

The Proposed Project will involve installation of wharves within unvegetated tidal wetlands. The tidal wetlands, constructed slopes covered by bedding rock and riprap, are unable to support vegetation, and are classified as littoral zone (LZ) by NYSDEC. Approximately 0.16 acres of unvegetated tidal wetlands will be filled. However, the removal of the cofferdam and associated fill at 35W would reduce the volume of existing fill occupying the water column and the area of mudline disturbance by approximately 0.08 acres. In addition, the regrading of the slope associated with the installation of the wharf at 35N would temporarily disturb 0.31 acres of tidal wetland habitat, replacing it with similar

material. In total, approximately 0.08 acres of unvegetated tidal wetlands would be removed. Approximately 0.08 acres would be permanently shaded from the new structures installed over the unvegetated tidal wetland area.

Upland construction will be separated from tidal wetlands by impervious constructed surfaces, and in-water dredging will follow best practices (including using of a clamshell dredger with closed environmental bucket, using slow withdrawal speeds, and turbidity curtains where feasible) to limit potential increases in total suspended sediments (TSS) and turbidity.

Refer to SBMT Environmental Analysis Section 3.20.4.9 (Natural Resources) for a discussion of the potential impacts to wetlands during construction.

3.e The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.

The Proposed Project will include dredging of, and structure installation into bottom sediments throughout the Project Area, which are anticipated to locally increase turbidity. Bottom sediments are predominantly unconsolidated silts. Dredging will follow best practices (including using of a clamshell dredger with closed environmental bucket, using slow withdrawal speeds, and turbidity curtains where feasible) to limit potential increases in TSS and turbidity. The increase in TSS levels above ambient during operations due to mechanical dredging could range up to 445 mg/L. Pile driving is estimated to produce TSS concentrations of approximately 5 to 10 mg/L above background levels within approximately 300 feet of the point of origin. These levels are below thresholds associated with physiological impacts on marine fauna. TSS levels are expected to quickly return to ambient conditions upon cessation of dredging, which would run 24 hours a day for a total of 140 days and would occur during the Summer and Fall of 2024 and Fall of 2025.

Refer to SBMT Environmental Analysis Section 3.20.4.9 (Natural Resources) for a discussion of turbidity during construction.

Further evaluation of dioxin in the post-dredging surface was performed, including calculation of surface weighted average concentrations (SWAC) in each area. Post-dredging SWACs are below the Class C threshold of 50 ng/kg (expressed as 2,3,7,8-TCDD-toxicity equivalents) in Areas 2.1B (35.1 ng/kg) and 2.2 (43.9 ng/kg), and slightly above in Area 1 (51.4 ng/kg). Post-dredging SWACs are above Class C in Areas 2.1A (89.8 ng/kg) and 2.3 (127.7 ng/kg). Based on these Class C exceedances, a one-foot sand cap would be placed post-dredging on the exposed surface of Areas 2.1A and 2.3. Placement of a clean sand cap in Areas 2.1A and 2.3 (approximately 5.6 acres of the approximately 14.2 acre dredging footprint) following dredging would achieve sediment quality across the Project Area that is equivalent to or better than current conditions when considered on an average, Project-wide basis. Continued deposition would bring surface concentrations to ambient levels in Upper New York Harbor. The placement of one-foot of clean sand in Areas 2.1A and 2.3 on the post-dredging surface would significantly reduce potential exposure of aquatic biota to residual contaminants.

Refer to SBMT Environmental Analysis Section 3.10.3 (Aquatic [Dredged Sediments]) for a discussion of dredging and sand capping.

Upland work will be subject to an New York State Department of Environmental Conservation (NYSDEC) stormwater pollution prevention plan (SWPPP), which is expected to minimize upland erosion and runoff.

3.i The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.

Dredging of benthic sediments and installation of structures into benthic sediments are expected to cause localized increases in TSS. Impacts to water quality will be minimized through use of a clamshell dredger with an environmental bucket (operated at slow withdrawal speeds) during dredging. Additional in-water turbidity measures are anticipated to be used, including turbidity curtains

where appropriate. Sediments are contaminated, and the suspension of sediments has the potential to temporarily increase concentrations of pollutants in the water column. As noted above, best management practices will be utilized during construction and dredging activities to minimize potential for sediment generation and transport.

All sediments are expected to settle within 1-2 days, returning water quality to baseline levels. Operation of the upgraded facility is anticipated to cause overall *de minimis* impacts to water quality of Upper New York Bay. Refer to SBMT Environmental Analysis Section 3.20.4.9 (Natural Resources) for a discussion of potential impacts to water quality.

Impact on Groundwater

The Proposed Project is not anticipated to significantly impact groundwater. Upland work is on reclaimed solid fill “pier” structures made of fill placed within Upper New York Bay in the 1960s (referred to as solid fill “pier” structures despite being landfill instead of pile-supported structures over water). The boundaries of the solid fill “pier” structures include a combination of and concrete bulkheads and riprap slopes on top of timber cribbing. The lot is metal entirely developed and has sixteen buildings on site, listed as built in 1931.

The buildings are in various states of repair and use. Groundwater within the solid fill “pier” structures is not used for drinking water. Dewatering will be localized to excavation operations. Dewatering effluent will be treated per regulations and permit conditions and discarded into “interpier” basin waters of the Gowanus Bay, which is part of the broader Upper New York Bay.

Impact on Flooding

The Proposed Project is within the mapped coastal zone and is altering water column depths and installing new structures in-water. The area is not within a designated floodway or coastal erosion hazard zone.

5.b, 5.c. The Project Area is within both the 100-year and 500-year floodplain. The Proposed Project design has altered to minimize intrusion into marine areas. See SBMT Environmental Analysis Section 1.3 (Project Description) and SBMT Environmental Analysis Section 2.1.2 (Future with Project Alternatives Considered) for further information. The Proposed Project design considers climate change and sea level rise. All structures are designed to be functional not only in current environmental conditions, but also were designed to be functional throughout anticipated environmental changes over the Proposed Project’s 25-year design lifespan, including a projected sea level rise of 1.8 feet, corresponding to the higher end of the “middle range” projection (75% percentile) established by the NYC National Panel on Climate Change (NPCC).

Impacts on Air

As required under the Clean Air Act (CAA) (42 USC § 7401 *et seq.*), the United States Environmental Protection Agency (USEPA) has established National Ambient Air Quality Standards (NAAQS) for seven contaminants, referred to as criteria pollutants (40 Code of Federal Regulations [CFR] part 50). The criteria pollutants are carbon monoxide (CO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter with diameters up to 10 µm (PM₁₀), particulate matter with diameters up to 2.5 µm (PM_{2.5}), lead (Pb), and sulfur dioxide (SO₂). The criteria pollutants of primary concern related to the Proposed Project are vehicle and/or construction equipment-related CO, PM₁₀ and PM_{2.5}, and O₃ precursors (nitrogen oxides [NO_x] and volatile organic compounds [VOCs]).

The CAA requires geographic areas to be designated according to ability to attain the NAAQS, and these areas are categorized for each criteria pollutant as:

- *Attainment Area* – Areas where no exceedance of NAAQS for a specific criteria pollutant occurred.
- *Nonattainment Area* – Areas where exceedance of NAAQS for a specific criteria pollutant occurred.

- *Maintenance Area* – Areas that have previously been designated as a nonattainment area but are still in need of efforts to maintain the improved conditions in the future. Most of the CAA rules for nonattainment areas are still applicable to a maintenance area.

If an area is designated as nonattainment for a criteria pollutant under the NAAQS, state governments must develop a State Implementation Plan (SIP) and implement control plans to reduce the emission level of that pollutant.

Per the National Ambient Air Quality Standards (NAAQS), the Project Area is in an area currently designated as:

- Moderate nonattainment for the 8-hour O₃.
- A PM_{2.5} and CO maintenance area.
- Attainment for all other criteria pollutants.

Activities within the study area that would produce new air emissions would include the following:

- Emissions from construction equipment;
- Vehicle emissions from construction workers commuting; trucks and marine vessels for transport of material to the site; and trucks and marine vessels for transport of the removal of excavated or dredged material, hazardous material, or other wastes to the appropriate off-site management facilities; and
- Emissions from operational equipment to be installed in the upgraded facility including ventilation, combustion, material handling equipment.

Because the Proposed Project is occurring within the City of New York, the *New York City Environmental Quality Review (CEQR) Technical Manual (2021)*, standards were referenced to determine the level of air quality analysis most appropriate for the Proposed Project. Refer to SBMT Environmental Analysis Section 3.15 (Air Quality) for the complete air quality assessment.

Construction Air Quality Impact

According to CEQR guidance, if a proposed action meets one or more of the following conditions, a construction air quality assessment is not likely to be warranted:

- Short-term construction duration (less than two years);
- Construction is not located near sensitive receptors; and
- Construction of multiple buildings.

Construction of the Proposed Project is anticipated to be completed within 32 months; therefore, the proposed construction would warrant a detailed impact assessment per the CEQR guidance. A detailed construction period air quality dispersion modelling was conducted to determine potential impacts to the community around the Project Area over the 32-month construction duration. No significant air quality impacts would occur under the proposed action. As described in SBMT Environmental Analysis Section 3.20.4.1 (Transportation), temporary increases of vehicle and marine vessel trips may be generated. However, the minimal number of trips is not anticipated to result in a significant air quality impact during construction.

Furthermore, all necessary measures would be implemented during demolition and construction to comply with the New York City Air Pollution Code relating to construction-related dust emissions. Pursuant to New York City Local Law 77, all construction equipment will use ultra-low sulfur diesel (ULSD) fuel and Best Available Technology (BAT) such as requiring all combustion equipment to be equipped with Tier 4 engines as applicable to minimize potential effects of construction on air quality. Dust suppression measures also will be implemented, such as: trucks and tugs hauling loose material will have loads securely covered prior to leaving the Project Area to minimize airborne dust; and water

will be used for demolition, excavation and transfer of soil and debris to avoid the suspension of dust into the air. Therefore, demolition and construction activities associated with the Proposed Project are not expected to result in potential significant adverse impacts to air quality. Refer to SBMT Environmental Analysis Section 3.20.4.2 (Air Quality) for the air quality assessment during construction.

Operational Air Quality Impact

After the completion of the construction activities, the proposed facility improvements would allow the storage, staging, and transfer of materials utilized in OSW projects, provide access to marine vessels, and serve as an O&M base for the OSW facilities. These long-term sources of new emissions are anticipated, but they are unlikely to consist of any stationary sources that require air permit or registration under NYSDEC air permitting regulations. Therefore, per the FEAF Part 2, no further quantifications of either criteria pollutants, air toxic pollutants, or Greenhouse Gas emissions are warranted, and the Proposed Project is not anticipated to cause any significant air quality impacts. Refer to SBMT Environmental Analysis Section 3.15 (Air Quality) for the complete air quality assessment.

Impact on Plants and Animals

- 7.b. *The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.*

The marine habitat of the Project Area is potentially utilized by Atlantic Sturgeon, shortnose sturgeon, loggerhead turtle, leatherback turtle, green turtle, and Kemp's ridley turtle. The dredging of sediments is anticipated to expose a post-dredging surface with residual contamination typical of an urban port with a long industrial history (see DUSR, JPA PIP Appendix G, for detailed analysis). Anticipated use of the Project Area by these species and potential exposure to sediment contamination are anticipated to be insignificant based on their habitat preferences and life history. Sturgeon are expected only to occur in Upper New York Bay during their seasonal migrations, and sea turtles are not expected to utilize the Project Area due to lack of resources. The area of marine habitat provided by the Project Area relative to the broader Upper New York Bay is infinitesimally small. The post-dredging surface is expected to be rapidly covered by ambient sediments from the surrounding area. Recolonization of the post-dredging surface by benthic species present in the area is also expected. In addition, a one-foot sand cap will be placed in areas 2.1A and 2.3 with elevated contaminant levels in the post-dredging surface. Placement of a clean sand cap following dredging would achieve sediment quality across the Project Area that is equivalent to or better than current conditions when considered on an average, Project-wide basis.

The habitat types required by federally protected avian and plant species are not present within or immediately adjacent to the Project Area, no impacts on these species are expected. While some state-listed avian species have been observed in the vicinity (Common tern, Peregrine falcon, Osprey, and American black duck), the Project Area has overall low value to these species due to low resource levels, high levels of disturbance, and overall low-quality habitat for nesting, roosting, and foraging. As such, the Project is expected to have a negligible impact on any rare, threatened, or endangered species. Refer to SBMT Environmental Analysis Section 3.9 (Natural Resources) for the assessment of potential impacts to threatened and endangered species.

- 7.d. *The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.*

The Proposed Project is anticipated to remove and shade small portions (0.05 acres and 0.53 acres, respectively) of marine habitat that may be utilized by Atlantic sturgeon, shortnose sturgeon, and sea turtles. An area of 14.2 acres will be dredged and contaminated sediments removed. Residual contamination in the post-dredging surface is expected to be rapidly covered by ambient sediments and recolonized by benthic species from the surrounding area. In addition, a one-foot sand cap will be placed in areas 2.1A and 2.3 with elevated contaminant levels in the post-dredging surface.

Placement of a clean sand cap following dredging would achieve sediment quality across the Project Area that is equivalent to or better than current conditions when considered on an average, Project-wide basis. As such, the Proposed Project is expected to have a negligible impact on habitat used by any species of special concern and conservation need. See the Permit Information Packet for more information. Refer to SBMT Environmental Analysis Section 3.9 (Natural Resources) for the assessment of potential impacts to species of special concern and conservation need.

7.g. *The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.*

Please see SBMT Environmental Analysis Section 3.9 (Natural Resources) and the PIP Essential Fish Habitat Report (Appendix E) outlining expected habitat impacts and expected resident species. The site provides a common habitat type with limited resources for marine, avian, and mammal species (e.g., limited food resources, shelter opportunities, nesting). The Project Area is utilized by urban-tolerant species. Refer to SBMT Environmental Analysis Section 3.9 (Natural Resources) for the assessment of potential impacts the habitats for predominant species in the Project Area.

Impact on Agricultural Resources. There are no agricultural resources in the vicinity of the Proposed Project, so no impact is anticipated.

Impact on Aesthetic Resources. The Proposed Project will introduce strong visual contrast to key observation points on 2nd Avenue and 39th Street adjacent to the Project Area. However, there are no existing unobstructed views of aesthetic and visual resources from these key observation points, and the use of the Project Area would be done as-of-right for the existing M3-1 zoning district designation. All existing views of aesthetic and visual resources from the south and east of the Project Area are screened by urban and industrial development. Views from key observation points across Gowanus Bay and New York Bay would contain the Proposed Project, but the elements of the Proposed Project will blend into the existing urban and industrial environment of the Gowanus Bay waterfront. Therefore, the Proposed Project will have no significant adverse impacts on aesthetic and visual resources. Refer to SBMT Environmental Analysis Section 3.8 (Urban Design and Visual Resources) for the assessment of potential impacts to aesthetic and visual resources.

Impact on Historic and Archaeological Resources. The Project Area is adjacent to the National Register-eligible Bush Terminal Historic District and National Register-listed Navy Storehouse #2. On March 21, 2022, SHPO concurred that the Proposed Project will have No Adverse Effect upon historic properties (SBMT Environmental Analysis Appendix A). Refer to SBMT Environmental Analysis Section 3.7 (Historic and Cultural Resources) for more information.

Impact on Open Space and Recreation. The Project Area does not include open space. The Proposed Project would not impinge on any recreational resources or access thereof. Refer to SBMT Environmental Analysis Section 3.5 (Open Space) for more information.

Impact on Critical Environmental Areas. The Proposed Project does not occur in a Critical Environmental Area (CEA).

Impact on Transportation. The Proposed Project is not anticipated to result in a change to existing transportation systems. Refer to SBMT Environmental Analysis Section 3.14 (Transportation) for the complete transportation analysis.

Impact on Energy. Although the Proposed Project is anticipated to have a draw on energy, the energy level required is anticipated to be negligible considering public utility availability. Refer to SBMT Environmental Analysis Section 3.13 (Energy) for more information.

Impact on Noise, Odor, and Light. Although the Proposed Project will produce noise that exceeds existing ambient noise levels during both construction and operation, those increases will have no or small impact. Refer to SBMT Environmental Analysis Section 3.17 (Noise) for more information about noise during operations and SBMT Environmental Analysis Section 3.20.4.3 (Noise and Vibration) for information about noise and vibration during construction.

Impact on Human Health. Although the Proposed Project would create solid waste during construction and increases in turbidity and total suspended solids during dredging, there would be no impact on human health. Solid waste would be disposed of in an appropriate upland disposal site, and mitigation measures would be taken during dredging to minimize the release of contaminants. Refer to SBMT Environmental Analysis Section 3.18 (Public Health) for more information.

16.a. *The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.*

Intermediate School (I.S.) 136 Charles O. Dewey is approximately 1500 feet southeast of the Project Area (separated from Project Area by 2nd and 3rd Avenues. Refer to SBMT Environmental Analysis Section 3.4 (Community Facilities and Services) for more information.

16.i. *The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.*

The Proposed Project is anticipated to create approximately 1,327,836 tons of solid waste during construction. Materials will be beneficially reused if the material is deemed suitable for such use. Materials will be reused onsite if possible. If reuse is not possible, material will be disposed of in an appropriate upland disposal site.

16.l. *The proposed action may result in the release of contaminated leachate from the project site.*

Sediments proposed to be dredged are contaminated. Dredging is expected to cause increases in turbidity and total suspended solids (TSS) during dredging, and corresponding increases in contaminants could potentially occur and impact the water column. These increases are expected to be temporary as sediments settle. Dredged materials will be dewatered (decanted) onsite and disposed at an appropriate upland disposal facility, following all permit requirements. The material may be beneficially reused depending on its suitability for such uses.

Use of a clamshell dredger with a closed environmental bucket with slow withdrawal speed, in-water turbidity control measures, and barge overflow prevention methods are expected to minimize potential release of TSS, and associated contaminants into the water column.

The entire SBMT site has been accepted into NYSDEC's Brownfield Clean-up Program (BCP) (Site No. C224360 – South Brooklyn Marine Terminal Site). The program is intended to promote redevelopment of neglected brownfields and revitalize economically blighted communities. Refer to SBMT Environmental Analysis Section 3.10 (Hazardous Materials) for more information about potential impacts from hazardous materials during operations and SBMT Environmental Analysis Section 3.20.4.10 (Hazardous Materials) for more information about potential impacts from hazardous materials during construction.

Consistency with Community Plans. The Proposed Project is consistent with the existing zoning of area as a manufacturing zone. Refer to SBMT Environmental Analysis Section 3.2 (Land Use, Zoning and Public Policy) for more information about the Proposed Project's consistency with public policies and plans.

Consistency with Community Character. The Proposed Project is consistent with the community's industrial waterfront character. Refer to SBMT Environmental Analysis Section 3.2 (Land Use, Zoning and Public Policy) for more information about the Proposed Project's consistency the surrounding area and SBMT Environmental Analysis Section 3.19 (Neighborhood Character) for more information about the Proposed Project's potential impacts to the surrounding neighborhood character.