



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

East Rodney French Blvd.

a. Street Address

New Bedford

b. City/Town

02740

c. Zip Code

Latitude and Longitude:

04

f. Assessors Map/Plat Number

41.6362152

d. Latitude

-70.934205

e. Longitude

2

g. Parcel /Lot Number

2. Applicant:

Mary

a. First Name

Rapoza

b. Last Name

City of New Bedford - Parks Recreation & Beaches

c. Organization

181 Hillman St Bld 3

d. Street Address

New Bedford

e. City/Town

Ma

f. State

02740

g. Zip Code

508-961-3015

h. Phone Number

508-991-6175

i. Fax Number

mary.rapoza@newbedford-ma.gov

j. Email Address

3. Property owner (required if different from applicant): ☐ Check if more than one owner

a. First Name

b. Last Name

c. Organization

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

4. Representative (if any):

a. First Name

b. Last Name

c. Company

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

exempt - municipality

a. Total Fee Paid

b. State Fee Paid

c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

Enter into an agreement with Altitude H2O to install and manage an floating inflatable water park south of Monkey Island on East Beach. Installation will be from June 2019 to Sept 2019. The inflatable park is anchored to the bottom in an area appoximately 170' x 190' in 4' to 8' of water. The beach will not be obstructed for public use.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- | | |
|---|---|
| 1. <input type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Commercial/Industrial | 4. <input type="checkbox"/> Dock/Pier |
| 5. <input type="checkbox"/> Utilities | 6. <input type="checkbox"/> Coastal engineering Structure |
| 7. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) | 8. <input type="checkbox"/> Transportation |
| 9. <input checked="" type="checkbox"/> Other | |

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. ☐ Yes ☒ No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Bristol

a. County

1670

c. Book

b. Certificate # (if registered land)

496

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. ☐ Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
2. ☐ Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet	2. square feet
	3. cubic yards dredged	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced

f. ☐ Riverfront Area

1. Name of Waterway (if available) - **specify coastal or inland**

2. Width of Riverfront Area (check one):

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☐ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: _____ square feet

4. Proposed alteration of the Riverfront Area:

a. total square feet b. square feet within 100 ft. c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI? ☐ Yes ☐ No

6. Was the lot where the activity is proposed created prior to August 1, 1996? ☐ Yes ☐ No

3. ☐ Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input checked="" type="checkbox"/> Land Under the Ocean	32,300 for floating water park - - anchors are Platipus B4 & B6	
	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	1. square feet	2. cubic yards dune nourishment
	Size of Proposed Alteration	Proposed Replacement (if any)
f. <input type="checkbox"/> Coastal Banks	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet	
h. <input type="checkbox"/> Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet	
	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	a. number of new stream crossings	b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Notice of Intent – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. ☒ Yes ☒ No

If yes, include proof of mailing or hand delivery of NOI to:

Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

2017

b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.1.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

c. Submit Supplemental Information for Endangered Species Review*

1. ☐ Percentage/acreage of property to be altered:
- (a) within wetland Resource Area _____ percentage/acreage
- (b) outside Resource Area _____ percentage/acreage
2. ☐ Assessor's Map or right-of-way plan of site
2. ☐ Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
- (a) ☐ Project description (including description of impacts outside of wetland resource area & buffer zone)
- (b) ☐ Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

- (c) ☐ MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/mesa/mesa_fee_schedule.htm). Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- (d) ☐ Vegetation cover type map of site
- (e) ☐ Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following
1. ☐ Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/mesa/mesa_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)
2. ☐ Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____
3. ☐ Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a. ☐ Not applicable – project is in inland resource area only b. ☒ Yes ☐ No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694
Email: DMF.EnvReview-South@state.ma.us

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: DMF.EnvReview-North@state.ma.us

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.



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C. Other Applicable Standards and Requirements (cont'd)

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a. ☐ Yes ☒ No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a. ☐ Yes ☒ No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a. ☐ Yes ☒ No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a. ☐ Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1. ☐ Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. ☐ A portion of the site constitutes redevelopment
 3. ☐ Proprietary BMPs are included in the Stormwater Management System.
- b. ☒ No. Check why the project is exempt:
1. ☐ Single-family house
 2. ☐ Emergency road repair
 3. ☐ Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. ☐ USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. ☐ Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



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D. Additional Information (cont'd)

3. ☐ Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. ☒ List the titles and dates for all plans and other materials submitted with this NOI.

Assessors Maps 2017 (Map 004), aerial loci for installation Google maps

a. Plan Title

b. Prepared By

c. Signed and Stamped by

d. Final Revision Date

e. Scale

specifications for park and anchors

2019

f. Additional Plan or Document Title

g. Date

5. ☐ If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. ☒ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. ☐ Attach NOI Wetland Fee Transmittal Form
9. ☐ Attach Stormwater Report, if needed.

E. Fees

1. ☒ Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name



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F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

6-19-19

2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



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NOI Wetland Fee Transmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Location of Project:

a. Street Address

b. City/Town

c. Check number

d. Fee amount

2. Applicant Mailing Address:

a. First Name

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

3. Property Owner (if different):

a. First Name

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. ***Please see Instructions before filling out worksheet.***

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



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B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee

Step 5/Total Project Fee: _____

Step 6/Fee Payments:

Total Project Fee: _____

a. Total Fee from Step 5

State share of filing Fee: _____

b. 1/2 Total Fee **less** \$12.50

City/Town share of filling Fee: _____

c. 1/2 Total Fee **plus** \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
Box 4062
Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

ALTITUDE H₂O





GOALS



- DEVELOP A SEASONAL WATER BASED FAMILY ENTERTAINMENT PARK
- PARTNER WITH THE COMMUNITY TO LEVERAGE AN UNDER UTILIZED ASSET TO CREATE A VENUE THAT WILL PROVIDE LOCAL RESIDENTS AND VISITORS WITH A UNIQUE, SAFE, FUN AND ACTIVE RECREATION OPTION THAT WILL APPEAL TO ALL AGES, GROUPS AND ABILITIES.
- CREATE AN ATTRACTION THAT DELIVERS AN UNPRECEDENTED EXPERIENCE
- DEVELOP A SUSTAINABLE BUSINESS THAT IS OPERATIONALLY SOUND AND FISCALLY STABLE



SAFETY BOUYS

- THE DEFINITION OF 'DEFINITION.' CLEARLY DEFINE THE PERIMETER.
- THIS SAFETY ESSENTIAL INCLUDES 3 BUOYS, 2 ANCHOR ATTACHMENTS, AND CONNECTOR PLATES.





ADDITIONAL SAFETY FEATURES

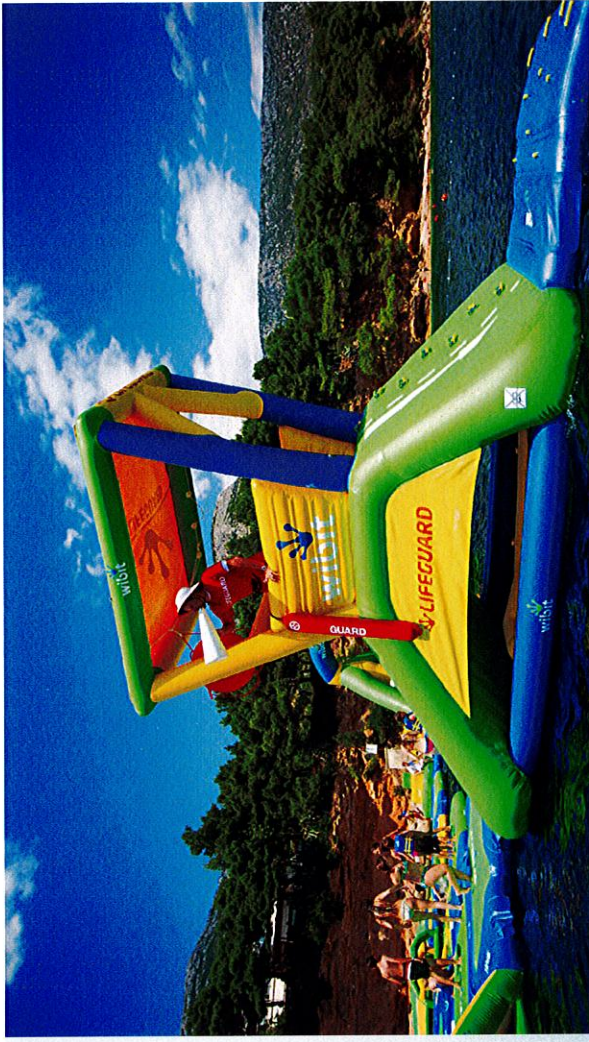
- SOLAR BUOYS TO DEFINE PARK FOR BOAT TRAFFIC
- COAST GUARD CERTIFIED LIFE VESTS FOR ALL
 - FITTED PER CUSTOMER
- 1:30-35 RATIO LIFEGUARDS TO CUSTOMERS
 - ADDITIONAL SPLASHGUARDS FOR EXTRA EYES ENSURING SAFETY





Lifeguard Tower

Optimal height, ideal placement. A perfect overview. With your lifeguard positioned at the center of the action, response and rescue time improves.



Monkey Bars

The playground is now on the water. Remember this childhood favorite? Monkey Bars will test strength and endurance as you swing and dangle from handles like a monkey over the



Severe Wind and Weather Protocol

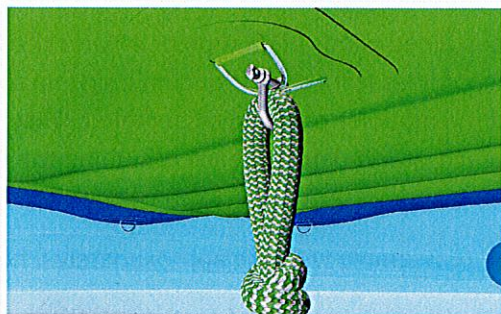
The wind and weather will be monitored 24 hours a day and our staff will correspond with local weather services and maritime authorities to monitor weather.

- 1.) In the case of forecasted severe weather with sustained winds of 45 mph or greater the Park will be taken off the water by disconnecting the anchor lines from the product in a systematic process so sections can be floated to shore and the modules can be disassembled. Once disassembled the modules are carried up the beach, stacked on top of each other and the valves are open to allow the product to deflate.

The disassembly will take about 4 hours and the reassembly will take approximately 6 hours.

- 2.) If a storm arises without warning: Typically these situations consist of passing weather and are not sustained. In these cases the product remains firmly attached to the anchor lines and staff will open the inflation valves on the larger products and deflate them to 30 – 50 % inflation. This allows the product to deflate into itself and minimizes the wind resistance. After the squall has passed staff inflates the product to proper inflation.

STORM PRECAUTIONS



If you already know beforehand that your location might be **subject to storms**, it is best to prepare for the worst case scenario during the **installation**.

There is a **shackle between product and bungee** that will allow you to disconnect the bungee from the product more quickly and easily in case of an emergency.

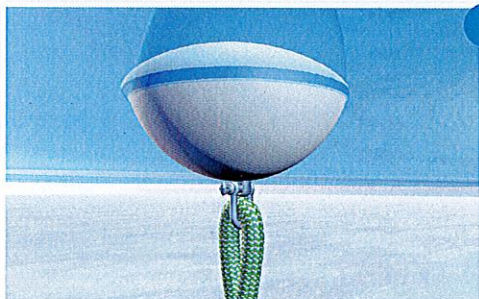
! Note: Regularly check a reliable weather forecast e.g. www.windguru.com

STORM PRECAUTIONS

1. If the storm is not there yet:

If you have enough time (4 - 6 hours) before the storm arrives then the Sports Park should be completely removed from the water. A minimum of 4 workers is needed. The more helpers you have, the faster is the process.

- If the weather conditions are stable (no wind & waves), bring the entire Sports Park back to the beach **in one unit** by pulling it to shore with a **rope** (approx. 10mm/0.39" thick). If the Sports Park is positioned very far from the beach, use a boat for the process.
- If the weather conditions do not allow for pulling the Sports Park to shore as one unit, then disconnect each product before bringing them to the shore **piece by piece**.

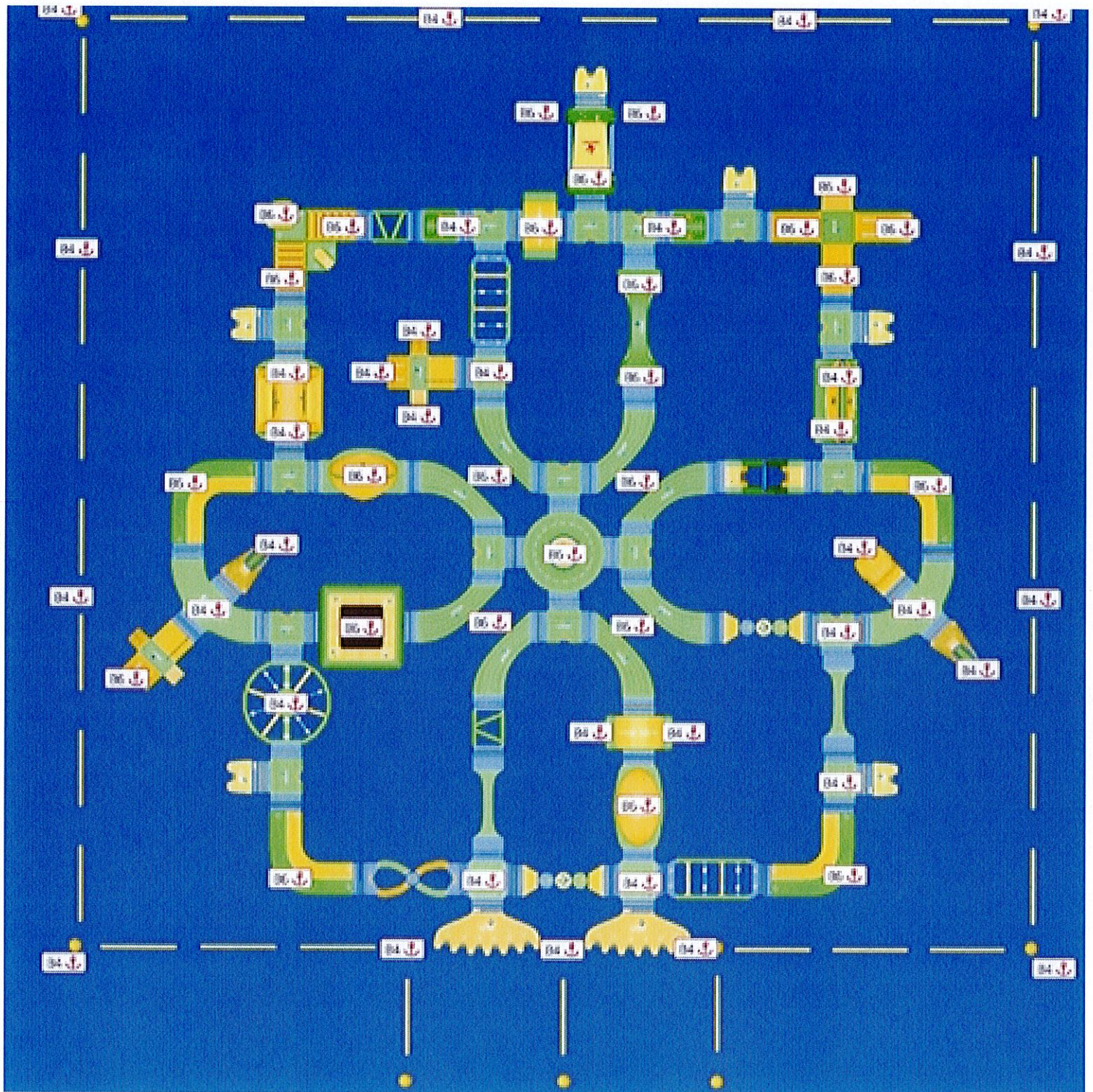


! Note: Do not drag the products over the ground! Beware of shells and stones along the shore.

If the water is not very clear, connect a **marking buoy** to the shackle of the removed products to make sure you can easily find the anchors again when the storm is over.

Once the products are safely on the beach, deflate all the products and **stack** them on top of each other in a place that is protected from wind and waves and free of people. Start with the smaller products on the bottom and put the biggest product (e.g. Action Tower XXL / IceTower XXL) on top to hold the others down.

To avoid any punctures, make sure that the place where you stack the products is free of any sharp objects such as stones. Do not drag the products over the ground.



Anchor Grid

INTRODUCTION TO PDEA®

Percussion Driven Earth Anchors

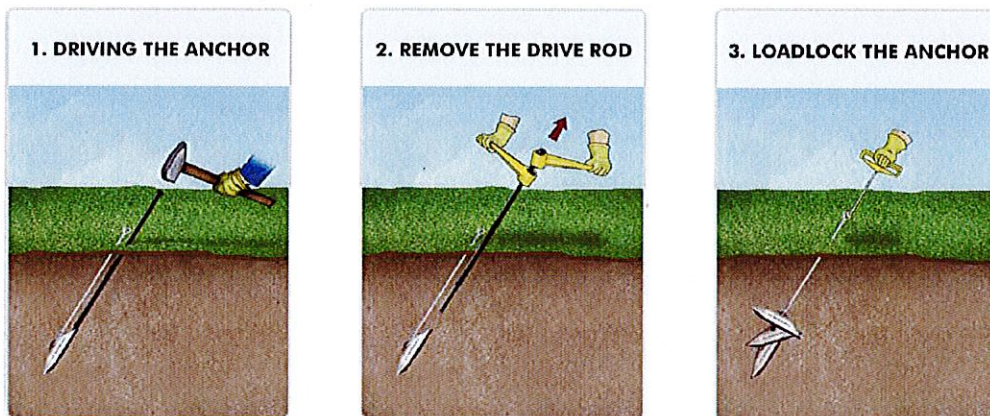
Platipus® have over 35 years of experience in the design, manufacture and supply of Percussion Driven Earth Anchors (PDEA®) for a wide variety of market sectors.

Our PDEA® systems out perform conventional methods of stay anchoring and utilise low cost, lightweight, portable installation equipment, most of which is readily available worldwide. Key benefits include:

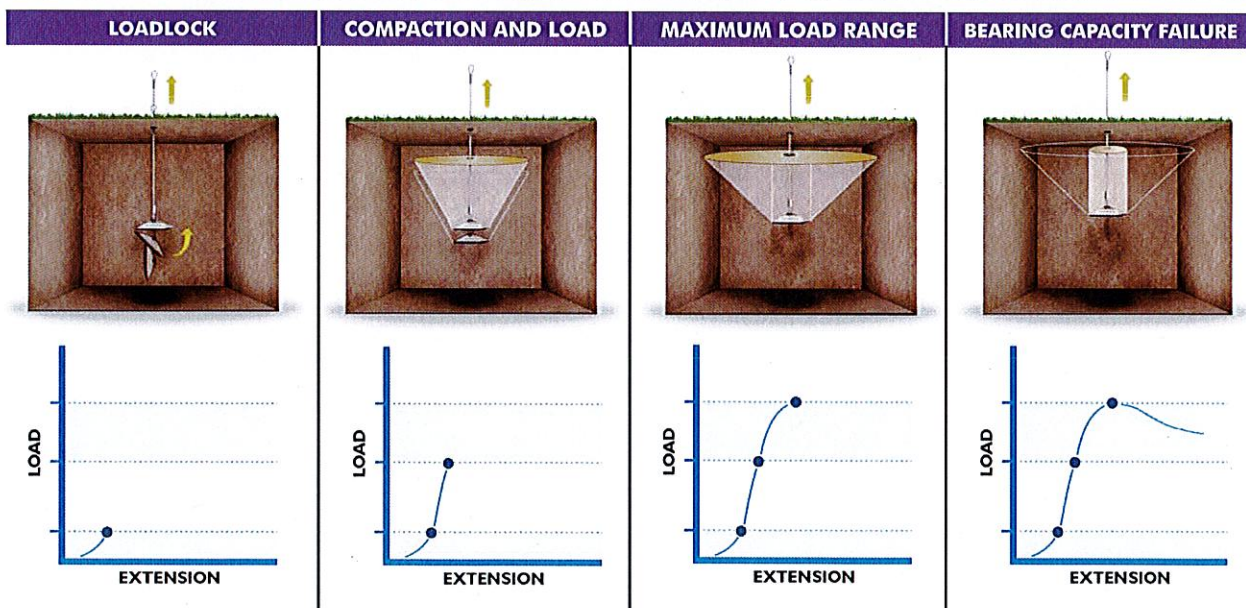
- No excavation, saving time, labour and money.
- No danger of working in deep unshuttered holes.
- The anchor drives directly into undisturbed soil.
- The use of lightweight portable tools means multiple anchor installations can be achieved quickly by a crew of two.
- Every anchor can be proof tested to confirm the actual load.

'SIMPLY' HOW A MECHANICAL ANCHOR WORKS

There are three steps to the installation of an anchor system:



TYPICAL ANCHOR BEHAVIOUR



THE ANCHOR SYSTEMS

STEALTH & BAT ANCHORS

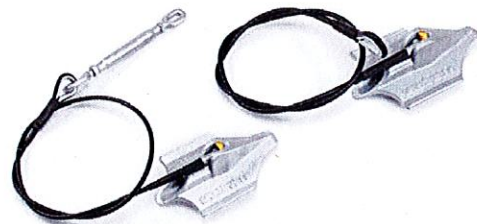
Platipus have developed a comprehensive range of PDEA® Systems specifically for the transmission and distribution of electricity.

The Stealth anchor covers a wide range of lightweight anchoring requirements whereas the Bat anchor has been specifically designed to achieve higher loads and also enhance anchoring in soft cohesive soils.

Standard solutions are available in materials for short-term temporary use or applications that require a 40 year design life.



Stealth



Bat

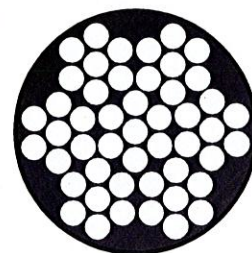
ANCHOR TYPE		DIMENSIONS L X W X H (MM)	PROJECTED SURFACE AREA (SQUARE MM)	MATERIALS	TYPICAL LOAD RANGE	MINIMUM DRIVEN DEPTH
S8		263 X 90 X 76	19,555	Aluminium Alloy SG Cast Iron	10-40kN	1.1-1.5m
B4		310 X 110 X 93	28,600	SG Cast Iron	20-60+kN	1.5-2.5m
B6		336 X 206 X 91	45,500	SG Cast Iron	30-10kN	2-3m
B8		423 X 259 X 105	71,500	SG Cast Iron	50-150+kN	3-4m

Anchors proposed

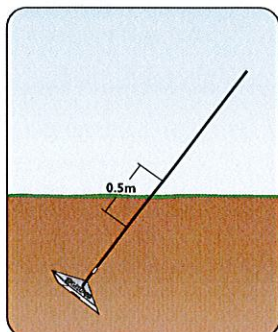
WIRE TENDON

A composite solid section of a "herringbone construction", 7 x 7 galvanised steel wire tendon and black ultraviolet inhibited polyethylene. The herringbone construction creates larger voids between the strands which enables deep impregnation of plastic, locking the cover and preventing stripping. It also reduces capillary action of water entering the wire tendon if damage to the covering penetrates through to the steel wires.

The wire effectively withstands abrasion and abusive treatment. It is also highly resistant to extreme soil conditions and does not require external greasing or painting resulting in considerable savings on maintenance costs.



SOIL/AIR INTERFACE



The Soil Air Interface is the area above and below the natural ground level where wire tendon corrosion is most likely to occur. It is an area greatly affected by moisture levels, certain bacteria, temperatures, oxygen levels and PH levels. An increase in corrosion can also occur if this area is exposed to agricultural fertilizers, animal excrement and any chemicals with excessive PH levels.

Non aggressive soils with PH levels between 6.5 and 7.5 have little effect on the wire tendon. Further down in the ground the wire tendon is surrounded by compacted soil which reduces its vulnerability to all of these elements and the chance of corrosion.

Mary S. Rapoza

From: Ceasar Duarte <ceasar.duarte@newbedford-ma.gov>
Sent: Friday, May 24, 2019 8:40 AM
To: Mary S. Rapoza
Subject: RE: FW: East Beach proposal

Mary,

The NBPA is ok with their responses.

Thank you

Ceasar C. Duarte Jr.

Director of Engineering and Operations
New Bedford Port Authority

From: Mary S. Rapoza [mailto:Mary.Rapoza@newbedford-ma.gov]
Sent: Friday, May 24, 2019 8:38 AM
To: Ceasar Duarte; Edward Anthes-Washburn; Alex Downing
Subject: RE: FW: East Beach proposal

Hi Ceasar,

Are you all satisfied with the response from the vendor? We would like to move ahead with their agreement if you are ok with the responses.

Thanks,
Mary



Mary S Rapoza

Director
City of New Bedford | Parks Recreation & Beaches
181 Hillman Street, Bld 3, New Bedford, MA 02740
508.961.3015 | email: Mary.rapoza@newbedford-ma.gov



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Please think of the environment before you print this message and any attachments.

From: Ceasar Duarte <ceasar.duarte@newbedford-ma.gov>
Sent: Wednesday, May 22, 2019 11:52 AM
To: Mary S. Rapoza <Mary.Rapoza@newbedford-ma.gov>; Edward Anthes-Washburn <Edward.Anthes-Washburn@newbedford-ma.gov>; Alex Downing <ADowning@newbedford-ma.gov>
Subject: RE: FW: East Beach proposal

Thank you

Cesar C. Duarte Jr.

Director of Engineering and Operations
New Bedford Port Authority

From: Mary S. Rapoza [<mailto:Mary.Rapoza@newbedford-ma.gov>]

Sent: Wednesday, May 22, 2019 9:23 AM

To: Cesar Duarte; Edward Anthes-Washburn; Alex Downing

Subject: FW: FW: East Beach proposal

See reply below. Thank you.



Mary S Rapoza

Director

City of New Bedford | Parks Recreation & Beaches

181 Hillman Street, Bld 3, New Bedford, MA 02740

508.961.3015 | email: Mary.rapoza@newbedford-ma.gov



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Please think of the environment before you print this message and any attachments.

From: Amy Goldman <amy@atphq.com>

Sent: Tuesday, May 21, 2019 9:14 PM

To: Mary S. Rapoza <Mary.Rapoza@newbedford-ma.gov>

Subject: Re: FW: East Beach proposal

Mary,

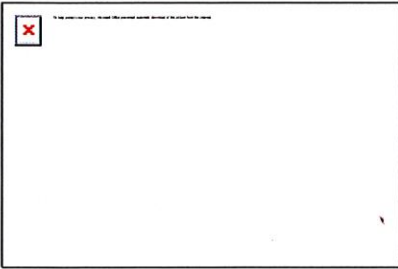
Sorry or the delay-

Please see my comments below:

Below our comments to the inflatable water park on east Beach:

- We would want to make sure the boundary is enough to stop anyone from getting past it, there is usually a lot of wave and wind in that area. They may want to use helix anchors, and a few kayaks on site if anyone did get past the boundary.
 - The area around the sports park will have perimeter safety buoys all the way around it with an area for controlled entry and exit. The perimeter buoys are inflatable highly and a highly visible yellow. Dimensions of each buoy is 15 feet long and 9 inch diameter. This defines the area and prohibits boat or watercraft traffic. The equipment would be anchored and secured using helix or platypus anchors.
- We would want to make sure the facility has adequate manpower to monitor its own operations and safety. If regularly scheduled monitoring is required (such as details) of the area by the Assistant Harbormasters this may require fees.
 - by monitoring- if they mean manpower during the day or overnight- We will have plenty of lifeguards and splashguards monitoring during the day along with a general management.
 - At night- we will hire security to ensure there is no trespassing or vandalism. If there are other monitoring concerns- please define what that is so I can clarify better

- Thank you so much for passing this along Mary



AMY GOLDMAN
VP Sales Altitude H2O
Cell: 774-766-0510
www.AltitudeH2O.com

On Mon, May 20, 2019 at 12:00 PM Mary S. Rapoza <Mary.Rapoza@newbedford-ma.gov> wrote:

Hi Amy

See below from the Port Authority. Please respond and I will share with them.

Mary



Mary S Rapoza

Director

City of New Bedford | Parks Recreation & Beaches

181 Hillman Street, Bld 3, New Bedford, MA 02740

508.961.3015 | email: Mary.rapoza@newbedford-ma.gov



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Please think of the environment before you print this message and any attachments.

From: Ceasar Duarte <ceasar.duarte@newbedford-ma.gov>
Sent: Monday, May 20, 2019 2:22 PM
To: Mary S. Rapoza <Mary.Rapoza@newbedford-ma.gov>
Cc: Edward Anthes-Washburn <Edward.Anthes-Washburn@newbedford-ma.gov>; Alex Downing <ADowning@newbedford-ma.gov>
Subject: RE: East Beach proposal

Mary,

Below our comments to the inflatable water park on east Beach:

- We would want to make sure the boundary is enough to stop anyone from getting past it, there is usually a lot of wave and wind in that area. They may want to use helix anchors, and a few kayaks on site if anyone did get past the boundary.
- We would want to make sure the facility has adequate manpower to monitor its own operations and safety. If regularly scheduled monitoring is required (such as details) of the area by the Assistant Harbormasters this may require fees.

Thank you

Ceasar C. Duarte Jr.

Director of Engineering and Operations

New Bedford Port Authority

From: Edward Anthes-Washburn
Sent: Wednesday, May 15, 2019 5:11 PM
To: Ceasar Duarte; Alex Downing
Subject: FW: East Beach proposal

Any concerns with this?

From: Mary S. Rapoza [<mailto:Mary.Rapoza@newbedford-ma.gov>]
Sent: Monday, May 06, 2019 2:49 PM
To: Edward Anthes-Washburn
Subject: East Beach proposal

Hi Ed,

We received one proposal for a inflatable water park on East Beach. Attached see the power point slides included in the proposal. The water park will be just south of Monkey Island. There is an aerial plan in the power point attached.

They also provide information on the anchoring system and security perimeter for the installation.

Is this something that you would review? Is there someone else such as the Coast Guard that should have eyes on this before we enter into an agreement with them?

Thank you for your feedback.

Best,

Mary



Mary S Rapoza

Director

City of New Bedford | Parks Recreation & Beaches

181 Hillman Street, Bld 3, New Bedford, MA 02740

508.961.3015 | email: Mary.rapoza@newbedford-ma.gov



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Please think of the environment before you print this message and any attachments.

From May - June 1964, the following were the
weathering conditions in the
area of the dam.

The following table shows the weathering conditions in the
area of the dam from May to June 1964.

The following table shows the weathering conditions in the
area of the dam from May to June 1964.

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