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U.S. Army Corps of Engineers (USACE)

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

For use of this form, see 33 CFR 325. The proponent agency is CECW-CO-R.

Form Approved -OMB No. 0710-0003 Expires: 2027-03-31

The public reporting burden for this collection of information, OMB Control Number 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR APPLICATION TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: http://dpcld.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx

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(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)									
1. APPLICATION NO.	2. FIELD OFFICE CODE		3. DATE RECEIVED	4. DATE APPLIC	CATION COMPLETE				
(ITEMS BELOW TO BE FILLED BY APPLICANT)									
5. APPLICANT'S NAME	8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required)								
First - Stephen Middle - N	Last - Williams First - Karen Middle - A Last - Taylor				Taylor				
Company - DNREC Delaware Division of	Company - DNREC Delaware Division of Watershed Stewardship								
E-mail Address - Stephen.Williams@delawa	E-mail Address - KarenAnn.Taylor@delaware.gov								
6. APPLICANT'S ADDRESS:	9. AGENT'S ADDRESS:								
Address- 285 Beiser Blvd, Suite 102	Address- 901 Pilottown Rd								
City - Dover State - DE Z	Zip - 19904 Country - USA	City - Lewes	State - D)E Zip - 199	58 Country - USA				
7. APPLICANT'S PHONE NOs. w/AREA CODE	10. AGENTS PHONE NOs. w/AREA CODE								
a. Residence b. Business 302-739-9921	c. Fax	a. Residence	b. Busines 302-855-73		Fax 2-645-1069				
	STATEMENT OF	AUTHORIZATION	ON						
11. I hereby authorize, to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.									
	2024-09-17								
SIGNATURE OF APPLICAN			NT DATE						
NA	ME, LOCATION, AND DESCRIP	TION OF PRO	JECT OR ACTIVITY						
12. PROJECT NAME OR TITLE (see instruction Indian River Flood Shoal Dredging and Be	•								
13. NAME OF WATERBODY, IF KNOWN (if ap	14. PROJECT STREET ADDRESS (if applicable)								
Indian River Inlet, Sussex County, D	Address N/A								
15. LOCATION OF PROJECT	1 1/	•							
Latitude: ∘N 38.666549 Longitude: ∘W 75.074819		City -	S	State-	Zip-				
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions)									
State Tax Parcel ID 334-25.00-11.00	Municipality								

Township -

Section -

Flood shoal located near the federal navigation channel within the Indian River Inle

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17. DIRECTIONS TO THE SITE

Indian River Flood Shoal: Waterway is accessible by the Atlantic Ocean to the east, the Indian River Bay to the west, and Rehoboth Bay to north. Middle and Burton Island Shoals: Waterway accessible by the Atlantic Ocean to the east, Indian River Bay to the south, and Rehoboth Bay to the north.

Directions to North Indian River Inlet Beach, Delaware Seashore State Park (North Beach): From Dover, Delaware, take 113/Route 1 south for a distance of approximately 47 miles. Bear right onto Inlet Road prior to the Charles W. Cullen Memorial (Inlet) Bridge (0.6 mi), turn left into the North Inlet Day Area Parking Lot.

18. Nature of Activity (Description of project, include all features)

DNREC is seeking an Individual Permit to repair the berm and dune system at the North Indian River Inlet Beach (North Beach) as critical infrastructure like the Charles W. Cullen Memorial (Inlet) Bridge and Delaware State Route-1 (SR-1) are in imminent risk of failure due to severe coastal erosion.

The project aims to hydraulically maintenance dredge up to 800,000 cubic yards of material from three potential borrow sites: the Indian River Inlet Flood Shoal, Middle Island Shoal, and/or Burton Island Shoal. Dredged material will be transported via pipeline to the beneficial use placement site at North Beach. Front-end loaders and bulldozers will be used to spread and grade dredged material to reconstruct the berm and dune system based on the approved plans. The beneficial placement of dredged material will begin at the north jetty and extend northward for +/-5,200 linear feet. This project will restore the dune system at North Beach to improve coastal resiliency and protect critical infrastructure and habitat from future storm events.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

North Beach has a long history of erosion due to the interruption of the northward flow of sand caused by the construction of the inlet jetties. This erosion has made critical infrastructure, such as SR-1 and the Inlet Bridge, more vulnerable to storm damages. Since 1990, the annual pumping of the sand bypass system helped mitigate erosion at North Beach and was the primary maintenance activity; however in 2020 the system became inoperable. Since then, DNREC has judiciously added sand to North Beach via truck haul which has been ineffective for mitigating risk and can no longer keep up with the current rate of erosion. In response to the inadequate maintenance, the dune system at North Beach is severely eroded and prone to scour from direct wave energy on a regular high tide. North Beach needs to be rebuilt with a large volume of sand that is delivered rapidly. We expect to construction during November 2024 to February 28, 2025.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

DNREC is seeking EMERGENCY AUTHORIZATION to restore the berm and dune system at North Beach as critical infrastructure like Delaware State Route-1 and the Charles W. Cullen Memorial (Inlet) Bridge are in imminent risk of failure due to severe coastal erosion. The Project aims to hydraulically dredge up to 800,000 cubic yards of material from three potential borrow sites: 1) the Indian River Inlet Flood Shoal, 2) Middle Island Shoal, and/or 3) Burton Island Shoal for beneficial placement onto North Beach to rebuild over 5,200 linear feet of shoreline that would protect critical infrastructure from storm surge. Current conditions are such that a minor storm surge or swell event is very likely to breach the dune, and truck haul sand is continuously being added as a temporary solution for erosion control. See Permit Supplement for additional details.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Type Type Typ

Amount in Cubic Yards Amount in Cubic Yards Amount in Cubic Yards

up to 800,000 cy dredged material

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres

or

Linear Feet $\pm -5,200$

23. Description of Avoidance, Minimization, and Compensation (see instructions)

The dredge pipeline will be submerged and anchored to the bottom surface in areas crossing any navigable channels. The dredge pipeline will be clearly marked and kept in good condition in all other areas – including any nearshore or upland alignments. Proper construction oversite via inspections of dredging operations will be performed to document conditions and verify that best operational practices are being employed to prevent excessive turbidity. Compensatory mitigation should not be required as any adverse impacts would be temporary and localized to the project area.

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24. Is Any Portion of th	ne Work Already Complete?	Yes No IF YES,	DESCRIBE THE COMPL	ETED WORK		
	et flood shoal area has been chfill to nourish North Beach		-			
North Beach occurre	ject to maintenance dredge the din 2013 by the US Army (leged has been recovered in the	Corps of Engineers un				
25. Addresses of Adjo	ining Property Owners, Lessees	s, Etc., Whose Property	Adjoins the Waterbody (if m	ore than can be entered here, please atta	ach a supplemental list).	
a. Address- DNR	EC Division of	Parks & Re	ecreation 89	Kings Highway	y	
City - Dover		State - $\overline{ m DE}$		zip - 19901		
b. Address- Unite	ed States of Ame	erica Depart	tment of Inter	rior		
City - Washington		State -	State - DC		Zip - 20242	
c. Address- South	n Shores Homeo	owners Asso	oc. 35370 Atl	antic Ave		
City - Millville		State - DE		zip - 19967		
d. Address- Pot-N	Nets Communiti	es-CCDS L	LC, 34026 A	nna's Way Ste	1	
City - Millsboro		State - $\overline{ m DE}$		zip - 19966		
e. Address-						
City -		State -		Zip -		
26. List of Other Certifi	icates or Approvals/Denials rece	eived from other Federal	, State, or Local Agencies	for Work Described in This App	olication.	
AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED	
DNREC	401 WQ Cert		2024-09-05	pending		
DNREC	CZM Fed Con review		2024-08-29	pending		
DNREC	SHPO, 2nd review		2024-09-16	pending		
USACE	Section 408 review		2024-09-18	pending		
27. Application is herel	not restricted to zoning, building, by made for permit or permits to . I further certify that I possess	authorize the work desc	• •	•		
		2024-09-17			2024-09-17	
SIGNATU	IRE OF APPLICANT	DATE	SIGNAT	URE OF AGENT	DATE	
	t be signed by the person whe statement in block 11 has			(applicant) or it may be sig	ned by a duly	

knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States