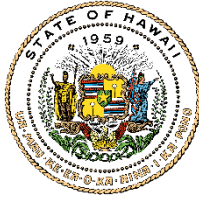


JOSH GREEN, M.D.
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



**STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I
DEPARTMENT OF LAND AND NATURAL RESOURCES
KA 'OIHANA KUMUWAIWAI 'ĀINA**

P.O. BOX 621
HONOLULU, HAWAII 96809

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DLNR:OCCL:AW

SSBN MA-15-2

Apr 2, 2024

Alyssa Agustin
Sea Engineering, Inc.
Makai Research Pier
41-305 Kalaniana'ole Hwy
Waimanalo, HI 96795

SUBJECT: RE: SSBN MA-15-2, Berm Maintenance Authorization Request, Sugar Cove, Spreckelsville, Maui, Hawaii, Tax Map Key (TMK) (2) 3-8-002:003 (seaward)

Dear Ms. Agustin:

The Department of Land and Natural Resources (DLNR) Office of Conservation and Coastal Lands (OCCL) is responding to your March 8, 2024 request to conduct berm maintenance at Sugar Cove, Spreckelsville, Maui, Hawaii, TMK (2) 3-8-002:003 (seaward) under the Category II Small Scale Beach Nourishment (SSBN) Permit MA-15-02. The subject SSBN authorization includes placement of up to 8,000 cubic yards of sand to be placed as needed over the duration of the 10-year permit via multiple berm maintenance efforts. Your current request is to place 1000 to 1400 cubic yards of Pacific Aggregate LLC "Natural Sand Blended" in accordance with the authorization received under SSBN MA-15-02.

To date, a total of 5,179 cubic yards of sand were placed during five maintenance efforts as follows:

November 2015:	892 cubic yards of Ameron Maui Dune Sand
September 2016:	1,115 cubic yards of Ameron Maui Dune Sand
September 2020:	740 cubic yards of Pacific Aggregate LLC "Natural Sand Blended"
September 2021:	1,111 cubic yards of Pacific Aggregate LLC "Natural Sand Blended"
September 2023:	1,321 cubic yards of Pacific Aggregate LLC "Natural Sand Blended"

You are proposing to conduct a sixth sand placement of 1000 to 1400 cubic yards of the previously approved Pacific Aggregate LLC "Natural Sand Blended" in spring 2024 in accordance with the Adaptive Management Plan approved with SSBN MA-15-02. The sand will be trucked to Sugar Cove from the stockpile site on Maui for one or two days. Placement on the beach will take place over several days and will adhere to the approved methodology and comply with the Best Management Practices Plan for SSBN MA-15-02.

Pre- and post-placement surveys, water quality observations and turbidity testing will be conducted in accordance with your permit.

The proposed Pacific Aggregate LLC “Natural Sand Blended” is approved for placement on the beach at the subject location. Laboratory analysis submitted to OCCL in 2020 and retesting in 2023 illustrate that the sand source meets the SSBN quality standard as stated below:

1. The proposed fill sand shall not contain more than six (6) percent fines, defined as the #200 sieve (0.074 mm).
2. The proposed beach fill sand shall not contain more than ten (10) percent coarse sediment, defined as the #4 sieve (4.76 mm) and shall be screened to remove any non beach compatible material and rubble.
3. No more than 50 (fifty) percent of the fill sand shall have a grain diameter less than 0.125 mm as measured by #120 Standard Sieve Mesh.
4. The sand shall be dominantly composed of naturally occurring carbonate beach or dune sand. Crushed limestone or other man made or non-carbonate sands are not acceptable.

The sand analysis provided with your request letter demonstrates an appropriate match between the existing beach sand and the Pacific Aggregate LLC “Natural Sand Blended” stockpiled on Maui.

The placed sand shall also be free of construction debris, toxic material, or other foreign matter, and material that results in cementation of the beach.

In addition, your request to conduct berm maintenance as described above is approved, subject to the Terms and Conditions of SSBN permit MA-15-02 and the following additional terms and conditions:

1. Typical Best Management Practices shall be implemented to ensure that water quality and marine resources are protected and preserved. Mitigation measures include the use of sand that is free of contaminants and low in silt content. Excessive silt and turbidity shall be contained or otherwise minimized through the use of silt curtains or other containment devices for the duration of the construction. Visual monitoring of the nearshore water quality conditions shall be practiced during sand placement; and if excessive turbidity occurs, work shall stop and sand quality shall be reassessed.
2. The applicant shall submit a written completion report to the OCCL within two months of completion of the maintenance project. The completion report must include descriptions of the berm maintenance project, discussion of any deviations from the proposed project design and the cause of deviations, results of environmental monitoring, discussion of any necessary corrective actions and photographs before, during and after sand placement.
3. The placed sand shall also be free of construction debris, toxic material, or other foreign matter, and material that results in cementation of the beach. If placed sand is found to contain such material, the DLNR may require that the applicant remove and properly dispose of it.

4. The applicant shall secure a Land Disposition incorporating the most current terms and conditions for the use of State lands prior to entering onto State lands for the project.

Please acknowledge receipt of this approval with the additional conditions noted above in the space provided below. Please sign two copies; retain one and return the other within 30 days. Should you have any questions on the matter, please feel free to contact Amy Wirts, Hawai'i Sea Grant Extension Agent in the DLNR Office of Conservation and Coastal Lands at (808) 587-0376 or via email at awirts@hawaii.edu.

Sincerely,

S Michael Cain

Michael Cain, Administrator
Office of Conservation and Coastal
Lands

CC: Richard Salem, Sugar Cove AOA President
Maui County Planning Department
Maui Land Division Office
DLNR Land Division
Tara Owens, Hawai'i Sea Grant (via email)

In concur with the conditions of this letter:

Applicant's Name (Print)

Applicant's Signature

Date:_____