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NEW REGULATIONS  
ALLOWING MUNICIPALITIES  
TO MAINTAIN HEIGHT OF  
DUNES TO ORIGINAL  
CONSTRUCTION HEIGHT

NEW JERSEY ADMINISTRATIVE CODE  
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\*\*\* This file includes all Regulations adopted and published through the \*\*\*  
\*\*\* New Jersey Register, Vol. 46 No. 6, March 17, 2014 \*\*\*

TITLE 7. ENVIRONMENTAL PROTECTION  
CHAPTER 7E. COASTAL ZONE MANAGEMENT  
SUBCHAPTER 3. SPECIAL AREAS

*N.J.A.C. 7:7E-3.16 (2014)*

§ 7:7E-3.16 Dunes

(a) A dune is a wind or wave deposited or man-made formation of sand (mound or ridge), that lies generally parallel to, and landward of, the beach and the foot of the most inland dune slope. "Dune" includes the foredune, secondary or tertiary dune ridges and mounds, and all landward dune ridges and mounds, as well as man-made dunes, where they exist (see Appendix, Figure 1, incorporated herein by reference).

1. Formation of sand immediately adjacent to beaches that are stabilized by retaining structures, and/or snow fences, planted vegetation, and other measures are considered to be dunes regardless of the degree of modification of the dune by wind or wave action or disturbance by development.

2. A small mound of loose, windblown sand found in a street or on a part of a structure as a result of storm activity is not considered to be a "dune."

(b) Development is prohibited on dunes, except for development that has no practicable or feasible alternative in an area other than a dune, and that will not cause significant adverse longterm impacts on the natural functioning of the beach and dune system, either individually or in combination with other existing or proposed structures, land disturbances or activities. In addition, the removal of vegetation from any dune, and the excavation, bulldozing or alteration of dunes is prohibited, unless these activities are a component of a Department approved beach and dune management plan. Examples of acceptable activities are:

1. Demolition and removal of paving and structures;

2. Limited, designated access ways for pedestrian and authorized motor vehicles between public streets and the beach that provide for minimum feasible interference with the beach and dune system and are oriented so as to provide the minimum feasible threat of breaching or overtopping as a result of a storm surge or wave runup (see N.J.A.C. 7:7E-3A);

3. Limited stairs, walkways, pathways and boardwalks to permit access across dunes to beaches, in accordance with N.J.A.C. 7:7E-3A, provided they cause minimum feasible interference with the beach and dune system;

4. The planting of native vegetation to stabilize dunes in accordance with N.J.A.C. 7:7E-3A;

5. Sand fencing, either a brush type barricade or picket type, to accumulate sand and aid in dune formation in accordance with N.J.A.C. 7:7E-3A;

6. Shore protection structures which meet the coastal engineering rule at *N.J.A.C. 7:7E7.11(e)*; and

7. Linear development which meets the Rule on Location of Linear Development (*N.J.A.C. 7:7E-6.1*).

(c) The creation of dunes for the purpose of shore protection is strongly encouraged. According to the National Flood Insurance Program (NFIP) Regulations established by the Federal Emergency Management Agency (FEMA), primary frontal dunes will not be considered as effective barriers to base flood storm surges and associated wave action where the cross-sectional area of the primary frontal dune, as measured perpendicular to the shoreline and above the 100-year stillwater flood elevation and seaward of the dune crest, is equal to or less than 1,100 square feet. This standard represents the minimal dune volume to be considered effective in providing protection from the 100-year storm surge and associated wave action, and should represent a "design dune" goal.

(d) The maintenance of an engineered dune to the dune design template through alteration of the dune is conditionally acceptable provided:

1. It is demonstrated through pre- and post-construction surveys overlaid on the dune design template, that:
  - i. The existing dune is not consistent with the design template; and
  - ii. The proposed alteration of the dune will not result in the reduction of any portion of the dune below the design template;
2. A New Jersey licensed professional engineer certifies that alteration of the dune will not compromise the beach and dune system;
3. The activity:
  - i. Is conducted in accordance with the State Aid Agreement between the Department and municipality or county; and
  - ii. Complies with the management plan for the protection of State and Federally listed threatened and endangered species, as approved by the Department's Division of Fish and Wildlife and the U.S. Fish and Wildlife Service;
4. All existing public accessways are maintained;
5. Any existing vegetation disturbed during the maintenance activities shall, at a minimum, be restored in accordance with the dune construction planting specifications in the Federal consistency determination or Department permit for the engineered dune, as applicable; and
6. Any sand transferred as part of the maintenance of the dune design template shall be moved only within the shore protection project and shall be placed within the existing dune system, or within the engineered beach berm in accordance with the beach rule, *N.J.A.C. 7:7E-3.22(b)*.

(e) Rationale: See the OAL Note at the beginning of this subchapter.

#### HISTORY:

Amended by R.1985 d.715, effective February 3, 1986.

See: 17 N.J.R. 1466(a), 17 N.J.R. 1797(b), 17 N.J.R. 1797(c), 18 N.J.R. 314(a).

(b) deleted; new (b)-(f) added; (c) recodified to (h).

Repeal and New Rule, R.1990 d.413, effective August 20, 1990.

See: 22 N.J.R. 1188(a), 22 N.J.R. 2542(b).

Text on filled water's edge deleted.

Amended by R.1994 d.380, effective July 18, 1994 (operative July 19, 1994).

See: 26 N.J.R. 943(a), 26 N.J.R. 1561(a), 26 N.J.R. 2990(a).

Amended by R.2000 d.428, effective October 16, 2000.

See: 32 *N.J.R. 864(a)*, 32 *N.J.R. 3784(b)*.

In (a), inserted "and mounds," following "tertiary dune ridges" in the introductory paragraph; and in (c), substituted "1,100" for "540" preceding "square feet" in the second sentence.