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TITLE 650 – COASTAL RESOURCES MANAGEMENT COUNCIL

CHAPTER 20 – COASTAL MANAGEMENT PROGRAM

SUBCHAPTER 00 – N/A

PART 2 – Rules and Regulations Governing the Protection and Management of
Freshwater Wetlands in the Vicinity of the Coast

Table of Contents

- 2.1 Authority and Purpose (formerly § 1.00)
- 2.2 Administrative Findings (formerly § 2.00)
- 2.3 General Administration (formerly § 3.00)
- 2.4 Definitions (formerly § 4.00)
- 2.5 Regulated Activities (formerly § 5.00)
- 2.6 Exempt Activities (formerly § 6.00)
- 2.7 General Application Requirements (formerly § 7.00)
- 2.8 Request for Determination of the Presence of Wetlands, Wetland Edge Verification, or Request for Regulatory Applicability (formerly § 8.00)
- 2.9 Request for Preliminary Determination (formerly § 9.00)
- 2.10 Application to Alter a Freshwater Wetland (formerly § 10.00)
- 2.11 Other Application Types (formerly § 11.00)
- 2.12 Enforcement (formerly § 12.00)
- 2.13 Public Access to Records (formerly § 13.00)
- 2.14 Severability (formerly § 14.00)
- 2.15 Superseded Rules (formerly § 15.00)
- 2.16 Effective Date (formerly § 16.00)
- 2.17 Appendix 1: Insignificant Alterations
- 2.18 Appendix 2: Specific Criteria for Identifying Wetland Edges

2.1 Authority and Purpose (formerly § 1.00)

- A. These rules and regulations (Rules) are promulgated by the Coastal Resources Management Council (CRMC) pursuant to the requirements and provisions of the R.I. Gen. Laws § 46-23-6, as amended.
- B. The CRMC shall be responsible for the protection and management of freshwater wetlands in the vicinity of the coast as depicted on maps maintained on file at the offices the CRMC and Rhode Island Department of Environmental Management (DEM), and the municipal offices of each coastal city or town. The CRMC may at any time, when necessary, consult with and/or coordinate its responsibilities and duties with the DEM.
- C. These Rules are promulgated by the CRMC to:
 - 1. Administer and enforce R.I. Gen. Laws § 46-23-6, as amended, in regard to freshwater wetlands in the vicinity of the coast; and
 - 2. Preserve, protect, and restore the purity and integrity of all freshwater wetlands located in the vicinity of the coast within the State of Rhode Island so that these freshwater wetlands shall be available for all beneficial purposes, and thus protect the health, welfare, and general wellbeing of the people and the environment of Rhode Island.
- D. These Rules supersede all previous Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast adopted by the CRMC pursuant to R.I. Gen. Laws § 46-23-6.

2.2 Administrative Findings (formerly § 2.00)

- A. The declarations of intent and public policy enumerated by the General Assembly in R.I. Gen. Laws §§ 2-1-18 and 2-1-19 (Freshwater Wetlands Act) are hereby adopted as the administrative findings upon which these Rules are based.
- B. Consistent with these declarations, the CRMC makes the following findings:
 - 1. Freshwater wetlands are ecological systems performing functions that directly benefit the health, welfare and general wellbeing of people and the environment.
 - 2. Any such freshwater wetland functions as an integrated ecological system, no portion or component of which is less worthy of regulatory protection than the wetland as a whole. Riverbank and areas of land within 50 feet (perimeter wetlands) are important integral components of the flowing body of water, or the swamp, marsh, bog, pond with which they are associated.

3. Freshwater wetlands perform specific functions and support specific values, including but not limited to the following:
 - a. Wildlife and wildlife habitat: Freshwater wetlands are important areas for the production and maintenance of a diversity of wildlife. Wetlands provide habitat for individual species and communities of animals and plants. Animals include both game and non-game species, which may be either obligate or facultative, and which may be permanent residents, or seasonal or transient in nature. Wetlands serve as travel corridors; nesting, feeding, resting, nursery and brood-rearing sites; drinking water sources, and escape cover; and provide seasonal breeding, migration and overwintering habitat for wildlife. Wetlands provide critical habitat for some plant and animal species, and provide habitat for rare animal and rare plant species.
 - b. Recreation and aesthetics: Freshwater wetlands support active and passive recreational and aesthetic values that are important to the general public. Wetlands provide the opportunity for recreational activities, including but not limited to: hunting, fishing, trapping, cross-country skiing, ice skating, boating, water-skiing, canoeing, camping, swimming, bicycling, hiking, walking, horseback riding, harvesting of natural foods or plant materials, bird watching and other animal observation, education and nature studies, and photography. Aesthetic values include but are not limited to the visual, aural and cultural qualities of the wetland. Without limitation, these include the wetland's prominence as a distinct feature in the local area, including its value as open space; whether it is a rare wetland type; whether it offers or provides suitable habitat for any rare animal or rare plant species; whether it has any outstanding or uncommon geomorphologic features; and whether it contains or may contain material of archaeological, historical, or cultural significance.
 - c. Flood protection: Freshwater wetlands protect life and property from flooding and flood flows by storing, retaining, metering out and otherwise controlling flood waters from storm events. Wetlands also control the damaging impacts of flood flows by providing frictional resistance to flood flows, dissipating erosive forces, and helping to anchor the shoreline.
 - d. Surface water and groundwater: Freshwater wetlands provide and maintain surface and groundwater supplies by acting as recharge or discharge areas, and, in the case of some ponds, acting as surface water reservoirs. Although groundwater recharge and discharge functions and values may vary seasonally, freshwater wetlands, either individually or cumulatively, may be an important

factor in replenishing ground and surface water supplies, maintaining stream flows, transporting surface waters, and storing and distributing surface waters and groundwater during periods of drought.

- e. Water quality: Freshwater wetlands protect and maintain water quality by retaining and removing nutrients; filtering and removing pollutants; removing sediments; producing oxygen; reducing turbidity; maintaining or modifying stream flow; maintaining temperature and oxygen regimes in both standing and flowing surface waters; and providing and maintaining safe drinking water supplies.
- 4. The cumulative impact of incremental alterations to freshwater wetlands that occur at different times or in different locations within the same wetland system, or both, may constitute a significant alteration, even if a single proposed alteration may not in and of itself constitute a significant alteration.
 - 5. Consistent with the purposes of the Act, it is the public policy of the State to preserve the purity and integrity of all freshwater wetlands in Rhode Island. Random, unnecessary or undesirable alteration of any freshwater wetland is contrary to the Act and not in the best public interest because of the adverse impacts of such alterations on wetland functions and values. The CRMC will deny any application for a project that will so alter any wetland.
 - 6. The CRMC recognizes that dams have created freshwater wetlands that may provide important wildlife habitats and recreational areas and may provide other important functions, values and benefits such as flood storage areas. The CRMC recognizes that dams may also be historic resources (listed on the National Register of Historic Places or eligible for listing) and that preservation of such resources is desirable. Also, consistent with its responsibilities under R.I. Gen. Laws Chapter 46-19, Inspection of Dams and Reservoirs, the DEM has determined that many dams in the state are in disrepair and may present safety hazards to the public. The CRMC hereby acknowledges that, as a result of an analysis of alternatives for addressing a dam's state of disrepair, the removal or substantial alteration of a dam may be required by the DEM for reasons of public safety. The CRMC finds that the removal or substantial alteration of a dam for public safety reasons may be deemed consistent with the authority and purposes of these Rules provided that no other feasible alternative is available and impacts related to the dam's removal or alteration are assessed and acceptably mitigated in accordance with these Rules.

2.3 General Administration (formerly § 3.00)

- A. Freshwater wetlands: The CRMC shall be responsible for administering and enforcing these Rules. These Rules shall be liberally construed to permit the CRMC to effectuate the purposes of R.I. Gen. Laws §§ 46-23-6, 2-1-18, and 2-1-19.
- B. Freshwater wetlands in the vicinity of the coast: Pursuant to R.I. Gen. Laws § 46-23-6, as amended, freshwater wetlands in the vicinity of the coast are under the exclusive jurisdiction of the Rhode Island Coastal Resources Management Council (CRMC), including, after January 1, 2002, the renewal, transfer, modification and enforcement of permits originally issued by the Department of Environmental Management, with these exceptions:
 - 1. The DEM shall retain jurisdiction over farming-related activities involving freshwater wetlands in the vicinity of the coast for insignificant alterations consistent with R.I. Gen. Laws §§ 2-1-22(i) and (j).
 - 2. Any determination or permit, including any terms and conditions, issued by the DEM prior to August 18, 1999, shall remain valid for the time period specified in such determination or permit.
 - 3. The DEM shall retain jurisdiction over any permits issued prior to January 1, 2002, that are the subject of an outstanding compliance order or other formal administrative, civil or criminal legal action initiated by the DEM for the purpose of litigating or settling that action.
 - 4. The DEM shall retain sufficient jurisdiction over any permits or permit applications acted upon by the DEM prior to January 1, 2002, to permit the DEM to defend or settle any legal proceedings brought against it as a result of those actions.
 - 5. Any compliance order issued or other civil or criminal enforcement action taken by the DEM prior to August 18, 1999, shall continue to be subject to the DEM authority and to be governed by the rules and regulations in effect at the time the order was issued or action taken.
 - 6. Permits issued by the DEM for projects that lie on or that straddle the jurisdictional boundary shall be administered by the DEM in accordance with § 2.3(C) of this Part below.
- C. Projects that lie on or cross the jurisdictional boundary
 - 1. Applications for linear projects such as road or utility rights of way lying on the jurisdictional boundary established pursuant to R.I. Gen. Laws § 46-23-6 will be reviewed as follows:

- a. If the project is located entirely or partially either within a CRMC Special Area Management Plan or within 200 feet of a coastal shoreline feature, as defined by CRMC, then CRMC shall be the freshwater review agency.
 - b. If the project is located entirely outside of any CRMC Special Area Management Plan and beyond 200 feet of a coastal shoreline feature, as defined by CRMC, then the DEM shall be the freshwater review agency.
- 2. Applications for projects that cross or fall on both sides of the jurisdictional boundary established pursuant to R.I. Gen. Laws § 46-23-6 will be reviewed as follows:
 - a. If all of the freshwater wetlands are located seaward of the boundary, then CRMC shall be the freshwater wetland review agency.
 - b. If all of the freshwater wetlands are located inland of the boundary, then the DEM shall be the freshwater wetland review agency.
 - c. If the wetlands lie on both sides of the jurisdictional boundary and the project is non-linear in character, then:
 - (1) Where the project is located entirely or partially either within a CRMC Special Area Management Plan or within 200 feet of a coastal shoreline feature, as defined by CRMC, then CRMC shall be the freshwater wetland review agency; or
 - (2) Where the project is entirely outside of any Special Area Management Plan and is beyond 200 feet of a coastal shoreline feature, as defined by CRMC, then the DEM shall be the freshwater wetland review agency.
 - d. For linear projects that are on both sides of the jurisdictional boundary, the DEM and CRMC shall jointly determine which agency will serve as the freshwater wetland review agency. This determination shall be made on a case-by-case basis in response to a written request from an applicant to CRMC, and be based on the following: the extent and location of the freshwater wetland or wetlands, the area and proximity of potential land disturbance, and the guidelines set forth in any applicable watershed plan. Within ten (10) business days of the receipt of a request for clarification from an applicant, the agency that retains jurisdiction shall so inform the applicant. Upon written notice to the applicant, the agency may extend the ten-(10) day deadline for up to an additional ten (10) business days for any reason. Although the goal of these provisions is to promote the designation of a single review agency, in the

event that a project includes potential freshwater wetland alteration in both jurisdictional areas, the DEM and CRMC reserve the right to jointly exercise their jurisdiction.

3. The permitting agency for a project that is on the boundary or on both sides of the boundary shall renew, modify, transfer and enforce the permit according to the Rules (in the case of the DEM) or the rules and regulations (in the case of CRMC) that were in effect at the time the permit was issued.
4. The CRMC and DEM maintain at their respective offices maps illustrating the jurisdictional boundary between freshwater wetlands and freshwater wetlands in the vicinity of the coast.

2.4 Definitions (formerly § 4.00)

- A. For the purposes of this Part the following terms shall have the following meanings:
 1. “Accessory structure” means a structure that has an ancillary or supplementary function to the main use of the property. Accessory structures include amateur radio towers; flag poles; swing sets; slides; decks; patios; gardens; sheds; in-ground or above-ground swimming pools; fences that do not span or obstruct public access to rivers, streams, and other waterbodies (along and within boundaries or areas such as existing home lawns and driveways); treehouses; drinking water wells with a volume of withdrawal no greater than 500 gallons a day; walls; stairs; walks; and pervious driveways.
 2. “Act” means the Fresh Water Wetlands Act as set forth in R.I. Gen. Laws §§ 2-1-18 through 2-1-25, inclusive, as from time to time amended.
 3. “Alter” and “Alteration” means to change (act of changing) the character of a freshwater wetland as a result of activities within or outside of the wetland. Such activities include but are not limited to the following: Excavating; draining; filling; placing trash, garbage, sewage, road runoff, drainage ditch effluent, earth, rock, borrow, gravel, sand, clay, peat, or other materials or effluents upon; diverting water flows into or out of; diking; damming; diverting; clearing; grading; constructing in; adding to or taking from; or other activities that individually or cumulatively change the character of any freshwater wetland.
 4. “Aquatic base flow” or “ABF” means minimum river or stream flow conditions necessary to sustain indigenous aquatic fauna and flora, determined as follows:

- a. Where a minimum of twenty-five (25) years of U.S. Geological Survey gauging records exist on a river or stream that is basically free-flowing, the ABF for all times of the year shall be equivalent to at least the median August flow for the period of record unless spawning and incubation requirements exceed the median August flow; or
 - b. Where a river or stream lacks adequate flow data, or where it is regulated by a dam or upstream diversion, the ABF shall be at least 0.5 cubic feet per second per square mile (cfs/m) of drainage, unless spawning and incubation requirements exceed this minimum; or
 - c. Where concerns exist regarding spawning and incubation flow requirements, the ABF shall be 1.0 cfs/m in October/November and 4.0 cfs/m in April/May for the entire applicable spawning and incubation periods of aquatic fauna; or
 - d. Where a specific in-stream flow study identifies an ABF based upon the specific needs of aquatic fauna or flora, the ABF shall conform to the results of that study, provided the ABF is approved by the DEM.
 - e. Where the DEM issues a more specific policy, aquatic base flow shall conform to the requirements of that policy.
5. "Area of land within fifty feet" or "Perimeter wetland" means a freshwater wetland consisting of the area of land within fifty feet (50') of the edge of any freshwater wetland consisting in part, or in whole, of a bog, marsh, swamp or pond, as defined by these Rules. For purposes of identification, this area shall be measured horizontally, without regard for topography, from the edge of such a wetland.
6. "Area subject to flooding" or "ASF" means, but not be limited to, flood plains, depressions or low-lying areas flooded by rivers, streams, intermittent streams, or areas subject to storm flowage which collect, hold or meter out storm and flood waters.
7. "Area subject to storm flowage" or "ASSF" means drainage swales and channels that lead into, out of, pass through or connect other freshwater wetlands or coastal wetlands, and that carry flows resulting from storm events, but may remain relatively dry at other times.
8. "Best management practices" or "BMPs" means generally accepted practices, procedures and management techniques that include, but are not limited to, schedules of activities, prohibitions, maintenance procedures, structural and non-structural methods, and other

management approaches to prevent or minimize any reduction of the functions and values associated with freshwater wetlands.

9. “Bog” means, consistent R.I. Gen. Laws § 2-1-20(1), a place where standing or slowly running water shall be near or at the surface during a normal growing season and/or where a vegetational community shall have over fifty percent (50%) of the ground or water surface covered with sphagnum moss (*Sphagnum*) and/or where the vegetational community shall be made up of one or more of, but not limited to nor necessarily including all of the following: blueberries and cranberries (*Vaccinium*), leatherleaf (*Chamaedaphne calyculata*), pitcher plant (*Sarracenia purpurea*), sundews (*Drosera*), orchids (*Orchidaceae*), white cedar (*Chamaecyparis thyoides*), red maple (*Acer rubrum*), black spruce (*Picea mariana*), bog aster (*Aster nemoralis*), larch (*Larix laricina*), bog rosemary (*Andromeda glaucophylla*), azaleas (*Rhododendron*), laurels (*Kalmia*), sedges (*Carex*), bog cotton (*Eriophorum*).
10. “Buffer zone” means an area of undeveloped vegetated land retained in its natural undisturbed condition, or created to resemble a naturally occurring vegetated area that mitigates the negative impact of human activities on wetland functions and values.
11. “Coastal feature” means any coastal beach; barrier island or spit; dune; coastal wetland; coastal headland, bluff or cliff; rocky shore, or; manmade shoreline, as defined in Part 1 of this Subchapter.
12. “Coastal resources management program” or “CRMP” means the coastal zone management program adopted by the state of Rhode Island in accordance with R.I. Gen. Laws Chapter 46-23 and approved under the federal Coastal Zone Management Act of 1972 (16 U.S.C. §§ 1451 through 1464).
13. “Completed application” means any application that in the opinion of the CRMC provides all of the requisite information necessary to process the application in accordance with R.I. Gen. Laws § 2-1-22(a), these Rules, and the CRMC Management Procedures. For public notice purposes relating to an application to alter, the criteria for a completed application are set forth in §§ 2.10(B) and (C) of this Part.
14. “Council” or “CRMC” means the Rhode Island Coastal Resources Management Council.
15. “CRMC regulations” means the “Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast” adopted by the Coastal Resources Management Council pursuant to R.I. Gen. Laws § 46-23-6.

16. "Cumulative impact" means the combined impact on the wetland environment and its functions and values which may result from past, present and future alterations to the same wetland system, regardless of what agency or person undertakes such alterations.
17. "Dam" and "Damming" means any barrier made by humans, including appurtenant works that impounds or diverts surface water. To impound water by means of a dam.
18. "Department" or "DEM" means the Department of Environmental Management.
19. "Detention facility" means a basin, depression, or other artificial structure excavated, constructed, or installed to intercept and temporarily store surface runoff and release the stored water at a controlled rate.
20. "Dike" means a berm or structure that impedes, redirects, diverts, or otherwise controls the flow or elevation of water.
21. "Director" means the Executive Director of the Coastal Resources Management Council or his or her duly authorized agent or agents and may be used interchangeably with CRMC or Council as appropriate.
22. "Drain" means to lower the surface water or groundwater elevation, either temporarily or on a permanent basis.
23. "Edge" means the line of intersection or division between:
 - a. Any swamp, marsh, pond, bog, or wetland complex containing these wetland types and that area of land within fifty feet (50') (i.e., perimeter wetland) of these wetland types;
 - b. Any flowing body of water and its associated riverbank wetland; or
 - c. Any wetland other than those listed above and any adjacent non-wetland area.
 - d. The edge of wetlands shall be identified according to those procedures set forth in § 2.18 of this Part (Appendix 2).
24. "Emergent plant community" means a wetland characterized by erect, rooted, herbaceous hydrophytic vegetation that is present for most of the growing season in most years, and that may be persistent or non-persistent in nature.
25. "Excavate" means to dig into, cut, quarry, uncover, remove, displace, relocate, or grade any earth, soil, sand, gravel, rock, peat, organic, inorganic or any other similar material.

26. "Existing" means:
- a. a condition that was present as of the enactment of the Act or its applicable amendments and that has continually remained in the same condition; or
 - b. a condition that is present and was approved under the Act or its applicable amendments; or
 - c. a condition that has naturally occurred and is currently present.
27. "Facultative wildlife species" means wildlife that utilize wetlands as habitat, but generally do not require wetlands for survival or reproduction.
28. "Farmer/Qualified farmer" (herein after Farmer) means: an individual, partnership or corporation that operates a farm and has filed a Form 1040F or comparable instrument with the U.S. Internal Revenue Service, has a state of Rhode Island farm tax number, and has earned Ten Thousand Dollars (\$10,000) gross income on farm products in each of the preceding four (4) years.
29. "Feasible" means capable of being done, executed, accomplished or brought about by engineering standards.
30. "Fill" means dirt, soil, stones, gravel, sand, sediment, tree stumps, brush, leaves, solid waste, debris, garbage, trash, grass clippings, pollutants, or any other material, substance, or structure placed in a freshwater wetland; or any action that places such material in a freshwater wetland.
31. "Flood plain" means as defined in R.I. Gen. Laws § 2-1-20(3), that land area adjacent to a river or stream or other flowing body of water that is, on average, likely to be covered with flood waters resulting from a one hundred (100) year frequency storm. A storm of this nature is one that is to be expected to be equaled or exceeded once in one hundred (100) years, and hence may be said to have a one percent (1%) probability of being equaled or exceeded in any given year. Rainfall intensity data for such a storm are those established for New England locations by the National Weather Service (formerly the U.S. Weather Bureau).
32. "Floodway" means the channel of a river or stream and any immediately adjacent areas that must be kept free of encroachment to allow one hundred (100) year flood waters to be carried without increase in flood heights or flows and without endangering life or property.
33. "Flowing body of water" means any river, stream, or intermittent stream that flows long enough during the year to develop and maintain defined channels, and generally has flowing water at times other than those periods immediately following storm events. Such watercourses have

defined banks, a bed, and maintain visible evidence of flow or continued reoccurrence of flowing water.

34. "Forested wetland" means a freshwater wetland dominated by woody plants (trees) greater than twenty feet (20') tall.
35. "Freshwater wetland" means, consistent with R.I. Gen. Laws § 2-1-20(4), freshwater wetland includes:
 - a. A bog, flood plain, pond, marsh, riverbank, swamp, river, area of land within fifty feet (50'), area(s) subject to flooding, area(s) subject to storm flowage, floodway, flowing body of water, stream, intermittent stream, perimeter wetland, submergent and emergent plant communities, special aquatic sites, shrub and forested wetland or any combination thereof;
 - b. Those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions; or
 - c. Any or all wetlands created as part of, or the result of, any activity permitted or directed by the Department after July 16, 1971 or the CRMC after August 18, 1999 including, but not limited to: restored wetlands; value replacement wetlands created to compensate for wetland loss such as flood plain excavations; and any wetlands created, altered or modified after July 16, 1971.
36. "Freshwater wetlands in the vicinity of the Coast" means, consistent with the R.I. Gen. Laws § 46-23-6, freshwater wetlands seaward of the jurisdictional boundary that are regulated by the Coastal Resources Management Council in accordance with the "Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast."
37. "Growing season" means the period from April 1 to November 15 of any calendar year.
38. "Hydrophyte/Hydrophytic vegetation" means a plant or plant life that grows in water, or in or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content.
39. "Insignificant alteration" means in the opinion of the Department, a proposed alteration, limited in scope, area or duration, which appears to result in no more than a minimal change or modification to the characteristics, functions or values of any freshwater wetland(s), and is not random, unnecessary or undesirable.

40. "In the vicinity of the coast" means those areas designated on maps under the jurisdiction of the CRMC and subject to these Rules and Regulations.
41. "Invasive species" means an alien species whose introduction does or is likely to cause economic or environmental harm, or harm to human health.
42. "Jurisdictional boundary" means the line determined by the Department and the Coastal Resources Management Council, pursuant to R.I. Gen. Laws § 46-23-6, that designates areas of freshwater wetland jurisdiction. The jurisdictional boundary is depicted on original maps dated June 1997, revised April 2001 (effective September 2001) and June 2007, and maintained on file at the Department and the Coastal Resources Management Council.
43. "Lentic" means a habitat or ecosystem characterized by standing water.
44. "Lotic" means a habitat or ecosystem characterized by flowing water.
45. "Low-flow period" means under normal conditions, the period from July 1 to October 31 of any calendar year.
46. "Low hazard dam" means a dam where failure or misoperation results in no probable loss of human life and low economic losses.
47. "Management procedures" means the definitions and procedures adopted by the CRMC in accordance with R.I. Gen. Laws Chapter 42-35 and contained in the State of Rhode Island Coastal Resources Management Council Management Procedures.
48. "Marsh" means, consistent with R.I. Gen. Laws § 2-1-20(5), a place not less than one (1) acre in extent wholly or partly within the State of Rhode Island where a vegetational community shall exist in standing or running water during the growing season and/or shall be made up of one or more of, but not limited to nor necessarily including all of the following plants or groups of plants: hydrophytic reeds (*Phragmites*), grasses (*Gramineae*), mannagrasses (*Glyceria*), cutgrasses (*Leersia*), pickerelweeds (*Pontederiaceae*), sedges (*Cyperaceae*), rushes (*Juncaceae*), cattails (*Typha*), water plantains (*Alismataceae*), bur-reeds (*Sparganiaceae*), pondweeds (*Zosteraceae*), frog's bits (*Hydrocharitaceae*), arums (*Araceae*), duckweeds (*Lemnaceae*), water lilies (*Nymphaeaceae*), water-milfoils (*Haloragaceae*), water-starworts (*Callitrichaceae*), bladderworts (*Utricularia*), pipeworts (*Eriocaulon*), sweet gale (*Myrica gale*), buttonbush (*Cephalanthus occidentalis*).
49. "Mitigate" or "Mitigation" means a process undertaken by single or cumulative actions to avoid or lessen the damaging effects of human activities upon freshwater wetlands and the functions and values that they provide prior to, during, or after the completion of any project.

50. "Near or at the surface" means, as defined in R.I. Gen. Laws § 2-1-20(6), within thirty-six inches (36") of the surface.
51. "Normal farming and ranching activities" means, consistent with R.I. Gen. Laws § 2-1-22(i)(1), projects and activities carried out by farmers, including plowing, seeding, cultivating, land clearing for routine agriculture purposes, harvesting of agricultural products, pumping of existing farm ponds for agricultural purposes, upland soil and water conservation practices, and maintenance of existing farm drainage structures, existing farm ponds and existing farm roads, and any other activity determined by the Division of Agriculture to constitute a normal farming activity.
52. "Obligate wildlife species" means wildlife that depend upon freshwater wetlands for all or part of their life cycle.
53. "Open standing water" means surface water areas that are not dominated by persistent vegetative cover, specifically, where less than fifty percent (50%) of the water body surface is covered by persistent emergent vegetation, shrubs, or trees either as a single life form or in the aggregate.
54. "Perimeter wetland" means (See the definition of Area of Land within Fifty Feet (50'), § 2.4(A)(5) of this Part).
55. "Permit" means an authorization in the form of a document issued and signed by the CRMC, allowing the alteration of freshwater wetlands subject to specific terms and conditions.
56. "Person" means any individual; corporation; partnership; public utility; nonprofit organization; trust; unincorporated association; federal, state, county or local government, or any agency or subdivision thereof; or any other entity; or any combination of the foregoing.
57. "Pollutant" means any dredged material; solid waste; incinerator residue; sewage; garbage; sewage sludge; sediment; filter backwash; munitions; chemical wastes; biological materials; radioactive materials; heat; wrecked or discarded equipment; rock; sand; dirt; industrial or municipal or agricultural wastes or effluent; petroleum or petroleum products including but not limited to oil; or any material which will likely alter any one or more of the following: the aesthetic, physical, chemical, biological or radiological characteristics or integrity of any freshwater wetland.
58. "Pollution" means the human-made or human-induced alteration of the aesthetic, physical, chemical, biological or radiological characteristics or integrity of any freshwater wetland as a result of the introduction of any pollutant to any freshwater wetland.
59. "Pond" means, consistent with R.I. Gen. Laws § 2-1-20(7), a place not less than one-quarter (1/4) acre in extent, natural or manmade, wholly or

partly within the State of Rhode Island, where open standing or slowly moving water shall be present for at least six (6) months a year.

60. "Project" – for the purpose of the Rules, the term project also indicates activities.
61. "Random, unnecessary, or undesirable alteration" means:
 - a. A random alteration is any alteration to freshwater wetlands for which the applicant does not specify in the application the entire project proposed or contemplated by the applicant or in which the purpose of the alteration cannot be determined.
 - b. An alteration is unnecessary unless it is essential, vital, or indispensable to the project and cannot be avoided by exhausting all other non-wetland alternatives.
 - c. An undesirable alteration is any alteration to freshwater wetlands that individually or cumulatively may reduce or degrade any freshwater wetland functions and values as set forth herein, which does not avoid and minimize to the maximum extent possible any damaging effects on wetland functions and values, or does not satisfy the review criteria in § 2.10(E) of this Part.
62. "Rare" means when used in the context of species or freshwater wetland types, those invertebrate and vertebrate animals or plant species or those freshwater wetland types that are listed as threatened, endangered, of special interest or of special concern under the Department's Rhode Island Natural Heritage Program; by the Department's Division of Fish and Wildlife; or under the federal Endangered Species Act.
63. "Recreational activities" means activities that include but are not limited to the following: education or nature studies, hunting, fishing, boating, canoeing, camping, trapping, water-skiing, swimming, ice skating, hiking, bird watching or other wildlife observations, photography, cross-country skiing, harvesting of natural foods or plant materials, and visual/esthetic appreciation of natural wetland environments as a whole or in part.
64. "Restoration" means the result of actions that, in the opinion of the CRMC, reinstate or will reinstate, insofar as possible, the functions and values of a wetland that has been altered.
65. "Retention facility" means a basin, depression, or other artificial structure excavated, constructed, or installed to hold stormwater flows or runoff.
66. "R.I. Gen. Laws" means the Rhode Island General Laws of 1956, as from time to time amended.

67. "River" means, as defined in R.I. Gen. Laws § 2-1-20(8), a body of water that is designated as a perennial stream by the United States Department of Interior Geologic Survey on 7.5-minute series topographic maps, and that is not a pond.
68. "Riverbank" means, as defined in R.I. Gen. Laws § 2-1-20(9), that area of land within two hundred feet (200') of the edge of any flowing body of water having a width of ten feet (10') or more, and that area of land within one hundred feet (100') of the edge of any flowing body of water having a width of less than ten feet (10') during normal flow.
69. "Rules" means these Rules and Regulations, which govern the administration and enforcement of the Act as applied to freshwater wetlands in the vicinity of the coast. Unless otherwise expressly stated, any reference herein to the Rules incorporates the relevant provisions of the Act.
70. "SAMP" means a Special Area Management Plan adopted by the CRMC.
71. "Sediment" means any organic or inorganic material that is in suspension, has been deposited, is being transported, or has been moved from its site of origin by natural or human action.
72. "Sediment facility" means any basin, depression or other artificial structure excavated, constructed or installed to retain sediment or debris, and prevent sediment or debris from entering any freshwater wetlands.
73. "Selective cut/cutting" means the cutting of trees or the mowing or cutting of shrubs or emergent vegetation which would result in:
- a. At least sixty percent (60%) stocking of trees remaining in any forested wetland. Stocking shall be based upon the applicable northeastern tree stocking guide for the dominant tree type within the forested wetland;
 - b. At least seventy-five percent (75%) crown cover of shrubs remaining within any shrub or forested wetland;
 - c. At least eighty percent (80%) cover remaining in any emergent community.
74. "Setback" means the minimum distance from the edge of a freshwater wetland at which an approved activity or alteration may take place.
75. "Shrub wetland" means a freshwater wetland dominated by woody plants less than twenty feet (20') tall.

76. "Significant alteration" means in the opinion of the CRMC, a proposed project which by its area, scope or duration, appears to represent more than a minimal change or modification to the characteristics, functions or values of any freshwater wetland(s); may be detrimental to the basic natural capabilities or values associated with any freshwater wetland(s); or appears to be random, unnecessary or undesirable.
77. "Special aquatic site" means a body of open standing water, either natural or artificial, which does not meet the definition of pond, but which is capable of supporting and providing habitat for aquatic life forms, as documented by the:
- a. Presence of standing water during most years, as documented on site or by aerial photographs; and
 - b. Presence of habitat features necessary to support aquatic life forms of obligate wildlife species, or the presence of or evidence of, or use by aquatic life forms of obligate wildlife species (excluding biting flies).
78. "Standing water" means non-flowing water of any depth lying on the ground surface.
79. "Stream/Intermittent stream" means any flowing body of water or watercourse other than a river that flows long enough each year to develop and maintain a defined channel. Such watercourses may carry groundwater discharge or surface runoff. Such watercourses may not have flowing water during extended dry periods but may contain isolated pools or standing water.
80. "Submergent plant community" means a freshwater wetland characterized by plants that grow principally below the surface of the water for most of the growing season. Submergent plants are either attached to the substrate or float freely in the water.
81. "Substantial alteration of a dam" means, consistent with the Rules and Regulations for Dam Safety (250-RICR-130-05-1), any physical modification to a dam that results in a permanent change in the water elevation of the reservoir or impoundment or in water flow downstream of the dam.
82. "Surface water" means water lying on the substrate or soil surface, regardless of depth.
83. "Swamp" means, consistent with R.I. Gen. Laws § 2-1-20(10), a place not less than three (3) acres in extent wholly or partly within the State of Rhode Island where groundwater shall be near or at the surface of the ground for a significant part of the growing season, or where runoff water

from surface drainage shall collect frequently, and/or where a vegetational community shall be made up of a significant portion of one or more of, but not limited to nor necessarily including all of the following: red maple (*Acer rubrum*), elm (*Ulmus americana*), black spruce (*Picea mariana*), white cedar (*Chamaecyparis thyoides*), ashes (*Fraxinus*), poison sumac (*Rhus vernix*), larch (*Larix laricina*), spice bush (*Lindera benzoin*), alders (*Alnus*), skunk cabbage (*Symplocarpus foetidus*), hellebore (*Veratrum viride*), hemlock (*Tsuga canadensis*), sphagnum (*Sphagnum*), azaleas (*Rhododendron*), black alder (*Ilex verticillata*), coast pepperbush (*Clethra alnifolia*), marsh marigold (*Caltha palustris*), blueberries (*Vaccinium*), buttonbush (*Cephalanthus occidentalis*), willow (*Salicaceae*), water willow (*Decodon verticillatus*), tupelo (*Nyssa sylvatica*), laurels (*Kalmia*), swamp white oak (*Quercus bicolor*), or species indicative of marsh. For purposes of this definition, "significant part of the growing season" means that period of the growing season when water is present long enough to support a plant community of predominantly hydrophytic vegetation.

84. "Terms and conditions" means any requirements specified by the CRMC which it deems necessary to prevent any authorized or permitted project or activity from reducing the functions and values associated with any freshwater wetland; prevent any significant alteration which is not authorized; prevent the destruction of any freshwater wetland or portion thereof; or protect the health, welfare, and general well-being of the public. These terms and conditions may include without limitation the following:
- a. Soil stability, including prevention of erosion and deposition of sediment in any freshwater wetland;
 - b. Flood prevention;
 - c. Protection of wildlife and wildlife habitat and its functions and values;
 - d. Preservation of recreational activities and values;
 - e. Protection of water quality;
 - f. Development and maintenance of mitigative features;
 - g. Limitation on time for completion;
 - h. Statutory or regulatory requirements and limitations;
 - i. Construction phasing; and
 - j. Monitoring and reporting for compliance and enforcement.

85. "Utility" means any electricity, water, sewer, gas, oil or communication transmission line or pipe.
86. "Water quality improvement project" means a project whose sole purpose is to eliminate or correct those ongoing activities or problems that cause or contribute to water quality degradation.
87. "Width during normal flow" means the distance between the opposite edges of the flow channel of a river, stream, or intermittent stream, as determined by the criteria set forth in § 2.18(C) of this Part.
88. "Wildlife" means any vertebrate or invertebrate animal species which may reproduce in, rest in, feed in, or otherwise utilize any freshwater wetland regulated by these Rules.
89. "Wildlife habitat" means those freshwater wetlands that provide breeding, nursery, resting, travel or feeding areas for birds, fish, reptiles, mammals, amphibians, or invertebrates, as well as the biotic and abiotic characteristics of freshwater wetlands that may provide food, cover, breeding sites, or other support systems for these life forms.
90. "Wildlife habitat project" means a project whose sole purpose is to create, restore or enhance wildlife habitat.

2.5 Regulated Activities (formerly § 5.00)

A. Prohibitions (formerly § 5.01)

1. Except as provided in § 2.6 of this Part, a proposed project or activity which may alter any freshwater wetland may not be undertaken without a permit from the CRMC. Specifically, no person may excavate; drain; fill; place trash, garbage, sewage, road runoff, drainage ditch effluents, earth, rock, borrow, gravel, sand, clay, peat, or other materials or effluents upon; divert water flows into or out of; dike; dam; divert; clear; grade; construct in; add to or take from or otherwise change the character of any freshwater wetland as defined herein, in any way, without first obtaining a permit from the CRMC.
2. In addition to those projects or activities proposed either partially or wholly within freshwater wetlands, projects or activities taking place outside of freshwater wetlands which in all likelihood, because of their close proximity to wetlands, or because the size or nature of the project or activity will result in an alteration of the natural character of any freshwater wetland, may not be undertaken without a permit from the Department. Such projects generally include those which:
 - a. Result in a change to the normal surface run-off characteristics which increases the rate or volume of water flowing into, or draining

or diverting water away from, freshwater wetlands by such activities as:

- (1) Creating or significantly increasing impervious areas;
- (2) Modifying run-off characteristics by grading significant amounts of land area or clearing and permanently modifying significant amounts of vegetative cover on areas draining to freshwater wetlands;
- (3) Diversion of and concentration of surface run-off through swales, ditches, grading, drainage systems and other surface run-off conveyance systems to or away from freshwater wetlands; or

b. Result in diversion of groundwater into or away from freshwater wetlands by:

- (1) Installation of subdrains which will lower groundwater elevations supplying freshwater wetlands or increase flow into wetlands;
- (2) Installation of underground utilities bedded in pervious materials which may act as a subdrain to divert groundwater away from, or concentrate such water to freshwater wetlands;
- (3) Installation of wells, other than wells intended for a single family home, which will remove significant amounts of water supplying or affecting any freshwater wetland; or

c. Result in a modification to the quality of water reaching freshwater wetlands which could change their natural character; or

d. Result in construction of a "new" onsite wastewater treatment system (OWTS) as defined by the DEM "Rules Establishing Minimum Standards Relating to Location, Design, Construction and Maintenance of Onsite Wastewater Treatment Systems" (250-RICR-150-10-6), where the leaching field of the OWTS is located within fifty feet (50') of any emergent, shrub or forested wetland; special aquatic site; area subject to flooding; or area subject to storm flowage.

3. No project or activity that may or will alter a freshwater wetland pursuant to §§ 2.5(A)(1) and (2) of this Part above may be undertaken unless it conforms at all times to all applicable permits and permit terms and conditions, and all representations made in all applicable permit applications.

B. Application types and decisions available (formerly § 5.02)

1. These Rules provide for the following types of application, with the CRMC's actions and potential results as noted:
 - a. Request to determine the presence of wetlands: The CRMC will inspect the applicant's property to determine whether a regulated wetland is present on the property. If a regulated wetland is identified, the CRMC will identify the type(s) of such wetlands (see § 2.8(B) of this Part). The CRMC possesses the sole authority to determine which areas are deemed freshwater wetlands.
 - b. Request to verify wetland edges: The CRMC will inspect wetland edge(s) delineated by the applicant and, if in substantial agreement with the documentation provided, will confirm the presence of identified wetlands and the location of their delineated edges (see § 2.8(C) of this Part). Furthermore, the CRMC will identify the type(s) of wetland(s) verified.
 - c. Request for preliminary determination: The CRMC will review documents submitted by the applicant in support of the proposed project and will:
 - (1) Issue a permit, with conditions, for an insignificant alteration of freshwater wetlands;
 - (2) Issue a determination that a significant alteration has been proposed; or
 - (3) Issue a determination that a permit is not required (see § 2.9(A) of this Part). A determination that a project represents a significant alteration is not a denial of a permit.
 - d. Application to alter a freshwater wetland: This application must be submitted to obtain a permit for a proposed project that will, or is likely to, result in a significant alteration of a freshwater wetland. After thorough review of the application, including public comments received during the required 45-day notice period, the CRMC may either issue a permit to alter freshwater wetlands or deny the application (see § 2.10 of this Part).
 - e. Application for emergency alteration: This application must be submitted either by the owner of the property or an appropriate official, orally or in writing, to request a permit for an emergency alteration in the event that public health or safety is at imminent risk (see § 2.11(A) of this Part).

- f. Application for permit renewal: This application must be submitted to renew a freshwater wetland permit that was granted as a result of a Request for Preliminary Determination or an Application to Alter a Freshwater Wetland (see § 2.11(B) of this Part).
- g. Application for permit modification: This application must be submitted to request approval of a minor modification to a previously permitted project (see § 2.11(C) of this Part).
- h. Application for permit transfer: This application may be submitted to request the transfer of a valid permit to a new property owner (see § 2.11(D) of this Part).
- i. Application relating to farmers: In general, this application must be submitted directly to the DEM's Division of Agriculture and Resource Marketing for a determination as to whether the project represents an insignificant or a significant alteration in accordance with these Rules (see § 2.11(E) of this Part).

2.6 Exempt Activities (formerly § 6.00)

A. General conditions for exempt activities (formerly § 6.01)

- 1. Certain limited activities in freshwater wetlands may proceed without a specific written permit from the CRMC under the restrictions set forth below. Such restricted activities shall be considered exempt from the requirement to obtain a permit. It is strongly recommended that all exempt activities or projects occur as far away from freshwater wetlands as possible.
- 2. Nothing in § 2.6 of this Part shall be deemed to:
 - a. Limit or reduce, in any way, the CRMC's jurisdiction over freshwater wetlands in the vicinity of the coast, or
 - b. Supersede any current terms or conditions to any permit, or
 - c. Interfere with the CRMC's ability to make a determination or decision on an application, or
 - d. Impose terms, conditions or stipulations on any permit, enforcement action or Consent Agreement.
- 3. Any activities not described within this Rule which could alter the character of any freshwater wetlands require a specific written permit.
- 4. Nothing in this Rule shall preclude the CRMC from initiating an enforcement action in the event of any failure to undertake exempt

activities in accordance with the requirements and conditions set forth herein.

5. The following general restrictions apply to all activities performed under this Rule:
 - a. Exempted activities do not obviate the need to obtain other applicable federal, state, or local permits, approvals, or authorizations required by law;
 - b. Any structure or fill exempt under this Rule shall be properly maintained to ensure public safety, and to protect wetland functions and values;
 - c. Best management practices for erosion and sediment controls must be used and maintained in effective operating condition during the activity, and all exposed soil and other fills must be permanently stabilized at the earliest possible date. (See "Rhode Island Soil Erosion and Sediment Control Handbook" ("RISESC Handbook") and the latest version of the Rhode Island DEM "Stormwater Design and Installation Standards Manual" ("RISDIS Manual," 250-RICR-150-10-8) for design guidance and additional requirements.);
 - d. No activity exempted herein may jeopardize the continued existence of a rare wetland type, or a rare species; likewise, no activity exempted herein may destroy or adversely modify the critical habitat of such species;
 - e. Following the limited activity, all equipment used in installation or maintenance activities shall be removed from any wetland; and
 - f. All wetland functions and values must be protected to the maximum extent possible so as to prevent pollutants, sediment, direct discharge of stormwater runoff, or any material foreign to a wetland or hazardous to life, from entering any wetland.
6. Activities exempt in accordance with this Rule are not exempt from any applicable requirements contained in the Rhode Island Coastal Resources Program, including any applicable SAMP.

B. Limited cutting or clearing of vegetation (formerly § 6.02)

1. Limited cutting or clearing of vegetation in freshwater wetlands is allowed in accordance with § 2.6(A) of this Part only when:
 - a. The cutting is to remove tree limbs or dead or diseased trees or shrubs which, if left unattended, pose a threat to individuals,

dwelling, structures, or safe vehicle movement over roads and driveways; or

- b. The cutting is for purposes of trimming back and removing grasses, weeds, and/or shrubs encroaching upon existing or approved landscaped areas, fields, pastures and/or recreational areas, provided that the cutting is not taking place in an area designated to be planted, revegetated, and/or set aside to revert to a natural wild state for any mitigation or restoration purposes as a result of any term, condition or stipulation of any permit, approval, assent or enforcement action issued by the CRMC or DEM, or any Consent Agreement entered with the CRMC or DEM; or
- c. The cutting is for obtaining firewood for non-commercial, individual use, is selective in nature, and ensures the long-term protection and stability of the forested habitat. The use of any motorized vehicle(s) for this purpose in any swamp; marsh; bog; pond; special aquatic site; or forested, shrub or emergent wetland is prohibited; or
- d. The cutting is selective, and is carried out under the supervision of and in cooperation with the DEM's Division of Forest Environment (DFE) and:
 - (1) The DFE or property owner notifies the CRMC that a notice of intent to cut, or an approved written management plan submitted under the Farm, Forest and Open Space Act or the Stewardship Incentives Program is on file with the DFE; and
 - (2) The cutting operation proceeds under those best management practices developed and approved by the DFE; and
 - (3) The cutting operation results in no permanent degradation or loss of any wildlife habitat associated with any freshwater wetland, including perimeter and riverbank wetland; and
 - (4) Equipment crossings are limited to wetland types consisting of areas subject to storm flowage or intermittent streams or a river less than ten feet (10') wide through the use of temporary "corduroy" log roads. This log crossing must not restrict natural flow patterns and wildlife movements, and must be removed immediately following the harvesting operation. All disturbed wetland areas in the vicinity of the crossing must be restored to a natural condition and stabilized; and

- (5) Best management practices for erosion and sediment control are followed throughout the life of the project; See Rhode Island Soil Erosion and Sediment Control Handbook; or
- e. The cutting is for the maintenance of existing or approved footpaths or pedestrian trails, or maintaining cleared areas immediately along, but no greater than ten feet (10') from, the edges of driveways and access roads for vehicle safety and access; or
- f. The cutting is within existing or approved cleared utility rights-of-way and is restricted to only that necessary to maintain integrity of the utility line or pipe itself and to maintain access for maintenance, inspection and/or repair of poles, structures and equipment within the right-of-way; or
- g. The cutting is on or along property lines for survey purposes or is on an established transect line to allow for access on foot when conducting environmental assessments, and is no greater than five feet (5') in width; or
- h. Clearing or removal of any floating or submergent plants is limited to that area immediately adjacent to, but no more than fifteen feet (15') from, existing or permitted docks accessing freshwater; freshwater beaches; and/or freshwater swimming areas. The clearing or removal of such vegetation is accomplished only through the manual use of hand-held implements; or
- i. The cutting is restricted to existing drainage ditches, swales, and/or embankments of detention and retention facilities as a normal maintenance activity and/or best management practice; or
- j. The cutting is performed to remove individual trees or portions thereof that have fallen over or into rivers normally accessible by canoes, kayaks, or boats.
- k. The cutting is for invasive species control, including removal of invasive trees, shrubs, vines, or emergent vegetation, where necessary to facilitate the growth of native plants, provided that the project plans and details are submitted to the CRMC for review and approval, and the project is deemed by the CRMC to contain the necessary controls, expertise and follow-up monitoring to ensure success of the invasive control project.

C. Limited maintenance and repair activities (formerly § 6.03)

- 1. Limited repair and maintenance of an existing structure located in a wetland is allowed under § 2.6(A) of this Part as specifically provided below, so long as the repair or maintenance does not increase the size of

the structure vertically or horizontally. Some limited structural changes also may be exempt, as specifically provided below. For purposes of this § 2.6(C) of this Part, repair and maintenance is limited to routine activities necessary to ensure the upkeep of structures built in accordance with all necessary federal, state and local permits

- a. Exterior and interior work on a structure necessary to maintain its integrity and condition; or
- b. Replacement of functional drainage structures provided that:
 - (1) Culverts of more than fifty feet (50') are the same type, size, length, capacity and invert elevation as the present structure;
 - (2) Culverts of fifty feet (50') or less maintain the same slope, a nominally equivalent cross-sectional area and the same invert elevation as the present structure with no more than five foot (5') extensions in length on either end;
 - (3) The project does not result in sediment transport to wetlands or any filling, draining, or impoundment of wetlands beyond what was approved or existing; and
 - (4) The property owner maintains site plans which detail the condition of the drainage structure as it existed prior to replacement. A riprap scour pad not greater than ten feet (10') in length may be placed at the culvert outfall if an erosion problem is evident, provided that the access for fish and wildlife is not impeded; or
- c. Normal maintenance of existing or approved property accessories and lawns; or
- d. Cleaning of drainage pipes, culverts, catch basins and manholes; or
- e. Repaving of, or undertaking normal roadway maintenance of, paved public and private roadways or bikeways. Normal roadway maintenance includes: resurfacing and/or in-place recycling of paved surfaces; repairs to, resetting or replacing curbs, berms, sidewalks or guardrails; addition of guardrails, signing, striping or signals; adjusting manholes, catch basins or utility structures to grade; and structural repairs to, or in-place replacement of manholes, catch basins or grates. Paving or oiling of dirt roads, however, is considered an alteration which requires a permit; or
- f. Repair to or maintenance of a stream crossing, such as a stone ford and its approach, or any unpaved road which is used at least

on an annual basis, provided that any increase in road surface cover does not require the expansion of any slopes further into the wetland beyond the present toe of slope, and any increase in height does not exceed two (2) inches. Repair or maintenance to any stream crossing and its approach must be done during low or no flow periods; or

- g. Repair of docks and foot bridges located outside of any area within 200 feet of a coastal shoreline feature. This does not include enlargements or extensions; or
- h. Repair to boat ramps which does not include enlargements, located outside of any area within 200 feet of a coastal shoreline feature; or
- i. Repair to any bridge located outside of any area within 200 feet of a coastal shoreline feature, provided that the repair is undertaken from the deck or roadway, that no equipment is placed in any watercourse or wetland for the purpose of the repair, and that any material removed from the structure during repair is disposed of properly; or
- j. Removal of manmade trash from watercourses and other wetlands without causing any change in the profile or general character of any watercourse or other wetlands. Removal must be performed manually, or by equipment when chains or cables can be attached to the item to be removed and the equipment can be operated from a road, parking area, or other similar location. Removal of natural material such as logs, brush, or trees from the watercourses and other wetlands must be limited to problem locations where lack of removal will result in erosion or blockage of culverts, obstruction of existing paths, or prevention of canoeing access; or
- k. Repair to or in-kind, in-place replacement of shoreline stabilization structures, excluding those adjacent to tidal waters, such as stone and/or masonry walls provided that there is no expansion of the structure and no material is placed in any location or in any manner that would impair surface water flow, and no material is placed in a manner such that it will be eroded by normal or expected high surface water flows; or
- l. Maintenance of soil erosion and sediment control management practices and stormwater management practices in accordance with a plan approved by the CRMC; or
- m. Maintenance of existing or approved freshwater bathing beach that does not expand or otherwise change the size or shape of the beach; or

- n. Inspection, maintenance and repair to those utility poles, structures, equipment or underground lines or pipes which are necessary to provide utility services to the public; or
- o. Replacement of utility poles, including changes in physical size, without any change to existing or approved cleared rights of way; or
- p. Repair and replacement of utility lines attached to existing or approved bridges or in existing or approved roadways and railway beds provided antiseepage collars are used as appropriate to prevent subdraining effects on wetlands; or
- q. Maintenance by municipalities of surface water impoundments used for drinking water supplies, provided that all maintenance activities occur within the existing boundary perimeters of the impoundment and that the municipality provide the CRMC with twenty (20) days advance written notice of such maintenance activity; or
- r. Repair and replacement of drinking water wells and its supply lines provided that the following conditions are met:
 - (1) All cleared vegetation is allowed to regrow naturally;
 - (2) The volume of withdrawal from the replacement well is no greater than 500 gallons per day;
 - (3) The repair/replacement well is for the same use as its predecessor;
 - (4) The repair/replacement well will service the same lot as its predecessor;
 - (5) No other feasible upland alternative is available; and
 - (6) All disturbances to wetlands are limited to the maximum extent possible; or
- s. Repair of failed onsite wastewater treatment system, made in accordance with the DEM "Rules Establishing Minimum Standards Relating to Location, Design, Construction and Maintenance of Onsite Wastewater Treatment Systems," 250-RICR-150-10-6; or
- t. In-kind replacement of existing or approved buildings and constructed property accessories if destroyed by fire or natural causes.

D. Demolition of buildings or accessory structures (formerly § 6.04)

1. Demolition of buildings, parking areas or accessory structures is allowed in accordance with § 2.6(A) of this Part only where:
 - a. Building, parking area or accessory structure is not to be rebuilt;
 - b. Disposal of material is accomplished in accordance with all state laws and rules and the material is not disposed of or stockpiled in wetlands;
 - c. All pre-demolition grades are restored and all disturbed soils are stabilized;
 - d. Clean fill is used, where foundation holes or cellars of demolished buildings are to be filled;
 - e. All rubble and demolition debris are removed from the soil surface when demolition is complete;
 - f. Demolition activity and equipment operation are maintained within existing or approved disturbed areas on the property; and
 - g. All disturbed soils are loamed and seeded.

E. Single-family residences and accessory structures (formerly § 6.05)

1. The following limited changes to existing or approved single family residences and accessory structures are exempt in accordance with § 2.6(A) of this Part provided that: no vegetated wetlands are altered or artificially illuminated; all construction activity is located within existing or approved cleared areas, such as parking areas, lawns or cultivated fields; and all construction activity is located outside of floodplains and at least 25 feet from any pond, marsh, swamp, or wetland complex and at least 50 feet from any flowing body of water or bog:
 - a. Horizontal addition, such as a family room, bedroom, attached garage, or house wing, that is no larger than 600 square feet in footprint;
 - b. Vertical addition of no more than one story;
 - c. Attached deck, enclosed porch, exterior ramp, or patio no more than 600 square feet in footprint;
 - d. Stand-alone garage, shed, or greenhouse no more than 600 square feet in footprint;
 - e. Pervious driveway of no more than 600 square feet; or

- f. Alteration to an onsite wastewater treatment system approved in accordance with the DEM "Rules Establishing Minimum Standards Relating to Location, Design, Construction and Maintenance of Onsite Wastewater Treatment Systems," 250-RICR-150-10-6.
- g. Other accessory structures except as limited in §§ 2.6(E)(1)(a) through (f) of this Part.

F. Nonresidential buildings or multifamily residences and accessory structures (formerly § 6.06)

- 1. The following limited changes to existing or approved nonresidential buildings or multifamily residences and property accessories are exempt in accordance with § 2.6(A) of this Part provided that: no vegetated wetlands altered or artificially illuminated; all construction activity is located within existing or approved cleared areas, such as parking areas, lawns or cultivated fields; and all construction activity is located outside of floodplains and at least 25 feet from any pond, marsh, swamp or wetlands complex and at least 50 feet from any flowing body of water or bog:
 - a. Vertical addition limited to no more than one story with no expansion of the building footprint;
 - b. Foundation and enclosure limited, per lot, to no more than: one storage cooler, one dumpster, one equipment shed, or one garage, each of which is no larger than 600 square feet in footprint;
 - c. Attached exterior ramp; or
 - d. Alteration to an onsite wastewater treatment system approved in accordance with the DEM "Rules Establishing Minimum Standards Relating to Location, Design, Construction and Maintenance of Onsite Wastewater Treatment Systems," 250-RICR-150-10-6.

G. Emergency environmental protection (formerly § 6.07)

- 1. Emergency installation of environmental protection structures, and undertaking of activities directly associated with the emergency containment and cleanup of oil and/or hazardous materials in wetlands, including the resolution of leaking underground storage tanks, is permissible in accordance with § 2.6(A) of this Part provided that such installation or activity is undertaken under the direct supervision of the DEM or federal cleanup personnel, or DEM emergency response personnel. During the emergency cleanup, unnecessary alterations of freshwater wetlands shall be prevented to the maximum extent possible, and best management practices for erosion and sediment controls must be initiated and maintained. Where applicable, heavy equipment working in wetlands must be placed on mats and other temporary measures must

be taken to minimize soil and habitat disturbance. Following emergency cleanup, the disturbed area must be stabilized and restored to the satisfaction of the CRMC.

2. The CRMC must be notified of the initiation of emergency environmental cleanup and upon completion of emergency cleanup activities.

H. Site remediation (formerly § 6.08)

1. Activities which may affect freshwater wetlands and which are required by the DEM for remediation of contamination resulting from releases of oil and/or hazardous materials are allowed in accordance with § 2.6(A) of this Part provided that:
 - a. The initial document or plan identifying potential impacts to freshwater wetlands and all subsequent action plans are submitted for CRMC review;
 - b. All site remediation activities which may affect freshwater wetlands in the vicinity of the coast are under the direct oversight or control of the DEM;
 - c. The remediation activities are only those necessary to protect and/or restore freshwater wetlands from impacts or substantial threats resulting from actual releases of hazardous materials; and
 - d. The remediation activities incorporate all measures necessary to fully protect, replace, restore or mitigate the harm to any affected wetlands including best management practices, best available technologies, and any other measures which, in the opinion of the CRMC are necessary to:
 - (1) Comply with the substance and intent of these Rules;
 - (2) Protect the wetland environment; and
 - (3) Protect the functions and values provided by freshwater wetlands.

I. Utility emergencies (formerly § 6.09)

1. Emergency access and repair or replacement of utility lines, poles, structures, equipment or facilities which is necessary as a result of storm damage, acts of vandalism, accidents or equipment failure is permissible in accordance with § 2.6(A) of this Part provided that all affected wetlands are fully restored following completion of the repair or replacement.

J. New utility lines (formerly § 6.10)

1. Installation, in accordance with § 2.6(A) of this Part, of new utility lines, poles, structures, equipment or facilities only where installation occurs on, above, or beneath existing or approved paved roadways and their existing or approved cleared shoulders, or existing or approved railroad beds and their existing or approved cleared shoulders; and anti-seepage collars are used as appropriate to prevent subdraining effects on wetlands provided that:
 - a. Existing culverts and the flow of water under bridges in roads or highways are not permanently blocked or disrupted by going under or attaching to such structure;
 - b. The project does not cause any diversion of ground or surface water to or from any wetlands;
 - c. The preconstruction contours are restored immediately upon installation;
 - d. All work in any wetlands in the easement is undertaken during low flow periods;
 - e. All disturbed areas are revegetated after restoring contours; and
 - f. The project design incorporates best management practices for dewatering excavated areas.

K. Agricultural practices (formerly § 6.11)

1. Continuing agricultural practices in wetlands by any property owner other than a farmer are permissible in accordance with § 2.6(A) of this Part provided that the activities are restricted to existing or approved gardens, pastures, and fields which have been in use on a regular basis. Expansion of gardens, pastures, and fields within regulated wetlands is prohibited without written authorization except as provided under § 2.6(L) of this Part.

L. Normal farming and ranching activities (formerly § 6.12)

1. Normal farming and ranching activities carried out in wetlands by farmers are exempt in accordance with R.I. Gen. Laws § 2-1-22(i)(1).

M. Conservation activities (formerly § 6.13)

1. Conservation activities, such as fish and wildlife management that are carried out on state or federal property by the DEM or by the U.S. Department of Interior Fish and Wildlife Service are permissible in accordance with § 2.6(A) of this Part. Such activities are limited to the following:

- a. Manipulation of water elevations within impoundment areas on state or federal property for the purpose of habitat and species management;
 - b. Management of species and habitat conditions by cutting, clearing, planting, plowing, or prescribed burning; and
 - c. The installation of in-stream structures for manipulation and management of fisheries habitat including fish ladders, fish diversions, fish traps and structures to moderate stream velocities/volumes for fisheries management objectives.
 - d. The maintenance, repair, replacement or installation of any water control structure within an existing low hazard dam maintained and operated by the Division of Fish and Wildlife for the management or conservation of waterfowl or wildlife.
2. This Rule does not allow for the installation of new dams, construction of new ponds, or filling or permanent drainage of wetlands.

N. Monitoring and research activities (formerly § 6.14)

1. The following monitoring and research activities are permitted in accordance with § 2.6(A) of this Part provided that there is no permanent loss of wetland, and that any soil disturbance is stabilized and the area is allowed to revert to its natural condition.
- a. Installing groundwater monitoring wells to determine the depth to the water table or the extent of subsurface contaminants; installing groundwater table test pipes necessary for the testing of onsite wastewater treatment system design; and taking exploratory borings for soil and ledge/bedrock assessments;
 - b. Installing stream flow gauging stations by the United States Geological Survey, Water Resources Division;
 - c. Harvesting limited quantities of vegetation to estimate plant productivity or biomass;
 - d. Clearing footpaths or transect lines no greater than five (5') feet in width to permit wildlife surveys or access to sampling stations or plots;
 - e. Excavation of temporary pits for examination of soil properties and for the collection of soil samples; or
 - f. Construction of temporary blinds for wildlife observation.

O. Temporary recreational structures (formerly § 6.15)

1. The placement of temporary recreational structures in freshwater wetlands, on riverbanks, or in the area within 50 feet of any freshwater wetland or flood plain, for use during specific events such as water-skiing competitions and boat races is permissible in accordance with § 2.6(A) of this Part provided that such structures are removed immediately after the specific event. Such structures consist of temporary buoys, markers, floating docks under one hundred and fifty (150) square feet in size, and other similar structures.

P. Moorings and anchorage for single boats in freshwater (formerly § 6.16)

1. One mooring or anchorage (not to exceed a weight of 100 pounds) per waterfront lot for use by a single boat may be placed in freshwater in accordance with § 2.6(A) of this Part.

Q. Emergency water withdrawal for fighting fires (formerly § 6.17)

1. Emergency withdrawal of water from a pond or flowing body of water for the purpose of fighting fires is permissible in accordance with § 2.6(A) of this Part provide that the water withdrawal is for a specific emergency event and that other sources of water are inadequate or inaccessible at the time of the emergency.

R. Planting in perimeter wetland or riverbank wetland (formerly § 6.18)

1. Planting in that land area that can only be classified as a perimeter wetland or riverbank wetland is permissible in accordance with § 2.6(A) of this Part, provided that the following conditions are met:
 - a. The sole purpose of the project is to restore a disturbed, degraded or unvegetated area such as a mowed lawn, a gravel area, or a parking lot;
 - b. No cutting or clearing of trees or shrubs will occur. Cutting of existing groundcover or invasive vegetation to create a plantable site is limited to an area immediately around each new plant, not to exceed a radius that is twice the diameter of the root ball;
 - c. Pavement removal is limited to that area that will be planted;
 - d. All plantings must be native species and suitable for the site condition;
 - e. No excavation, filling, draining or grading is allowed except for a minimal addition of topsoil for each new plant and the application of

a layer of mulch or woodchips less than three inches deep around each new plant;

- f. All disturbed soils must be stabilized with a southern New England native seed mix;
- g. All plantings must be maintained until they are established; and
- h. No soil disturbance is allowed from May 15 through September 15 to safeguard potential turtle nesting areas.

- 2. For tracking purposes, the property owner is asked to notify the CRMC, in writing, within ten (10) days after completion of the plantings.

S. High hazard and significant hazard dams (formerly § 6.19)

- 1. Maintenance, repair and emergency repair of high hazard and significant hazard dams are permissible, provided that all proposed projects and activities adhere to the requirements of the DEM's "Rules and Regulations for Dam Safety," 250-RICR-130-05-1, and provided that the project will not result in a substantial alteration of a dam, as defined herein. A high hazard dam is one where failure or misoperation will result in a probable loss of human life. A significant hazard dam is one where failure or misoperation results in no probable loss of human life, but can cause major economic loss, disruption of lifeline facilities or impact other concerns detrimental to the public's health, safety or welfare.

T. Low hazard dams (formerly § 6.20)

- 1. Limited cutting or clearing of vegetation is permissible, in accordance with § 2.6(A) of this Part, and as specifically provided for below:
 - a. The cutting or clearing is limited to areas on and adjacent to the low hazard dam, such that it does not exceed fifteen (15) feet from the perimeter of the dam, including the toe; or
 - b. It is necessary to access the dam to complete maintenance activities.
- 2. Limited maintenance of low hazard dams to maintain them in proper working order is permissible, in accordance with § 2.6(A) of this Part, and provided that the activities are limited to filling minor erosion areas, lubricating and exercising equipment, and re-pointing masonry areas.
- 3. Inspection, maintenance and repair to any water control structure within a low hazard dam is permissible, provided that the CRMC and the DEM Office of Compliance and Inspection receives written notification at least ten (10) days prior to the commencement of the activity. Such notice must

explain the activity to be performed, and must state the expected time of completion. The normal water surface elevation shall not be substantially lowered except for that which is necessary to complete the inspection, maintenance or repair of the structure. Where practicable, either normal water elevations or temporarily lowered water elevations must be maintained by the use of temporary cofferdams. Such cofferdams must remain in place until maintenance is completed and must be removed upon project completion.

2.7 General Application Requirements (formerly § 7.00)

A. Application forms and their submission (formerly § 7.01)

1. Forms available: Forms for submitting all applications as set forth in the Act and these Rules are available at the CRMC, except that applications involving farming activities referred to in R.I. Gen. Laws § 2-1-22(i)(2) and § 2.11(E) of this Part herein, are available at the Division of Agriculture and Resource Marketing.
2. Where to submit: All applications involving freshwater wetlands in the vicinity of the coast must be submitted for processing directly to the CRMC, except that any applications involving farming activities specifically referred to in R.I. Gen. Laws § 2-1-22(i)(2) must be submitted directly to the DEM Division of Agriculture and Resource Marketing.
3. What to submit: It is the responsibility of each applicant to submit a complete application package, including an original application form and any additional supporting information required by the CRMC. The application must be accompanied by full payment of the application fee set forth in §§ 2.7(J) and (K) of this Part.
4. Who may submit: The applicant must be the owner or owners of the property or easement that is the subject of the application, or it must be the government agency or entity with power of condemnation over such property or easement.
5. Notification of applicant and agents: The CRMC will mail notices and other written communications regarding the application to the applicant and to the applicant's attorney, agent or other representative if, at the time the application is filed, the applicant so informs the CRMC in writing of his or her name and mailing address.

B. Signatures (formerly § 7.02)

1. All application forms must be signed by the applicant, and the applicant's name must be clearly printed near the signature. In cases where a power

of attorney is exercised, a notarized copy of the power of attorney must be attached to the application.

2. In cases where the property is owned or controlled by a person that is not an individual, the application shall be signed as follows, and shall be accompanied by the titles of all such signatories:
 - a. For a corporation, company, fire district, association, club, non-profit agency or other entity not specifically identified in § 2.7(B)(2) of this Part: by an officer with legal authority to bind the appropriate entity;
 - b. For a partnership: by a general partner;
 - c. For a municipal, state or federal government, or any division, subdivision or agency thereof: by either a principal executive officer or by a ranking elected official. For purposes of this section, a principal executive officer of a governmental agency includes:
 - (1) The chief executive officer of the agency, or
 - (2) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency;
 - d. For an estate: by the executor/executrix or administrator of the estate.
3. Applicants proposing projects on their own property that involve wetland alterations either partially or wholly on property owned or controlled by others must obtain written notarized authorization from the landowner of the property within which freshwater wetlands will be directly altered as a result of a proposed project. Such written, notarized authorizations must be provided to the CRMC as part of the application package and must expressly authorize the applicant to apply for the proposed site alterations as depicted on the site plans submitted with the application. The authorizing landowner does not become an "applicant" as described in § 2.7(A)(4) of this Part by granting such written notarized authorization to an applicant. Written notarized authorization shall not be required for freshwater wetland alterations associated with full or partial removal of a dam proposed for the purpose of habitat improvement, restoration or dam safety. The surface water (impounded) upstream of the dam must be considered a flowing body of water, and not a pond, both prior to and after completion of the project. This exemption applies subject to confirmation by the CRMC.
4. If the applicant is a government agency or entity, the agency or entity must demonstrate that it:

- a. owns the property or holds an easement of sufficient scope to cover the proposed project; or
 - b. has the requisite power of condemnation with regard to the relevant area.
 - c. In such cases, authorization from each property owner who owns property containing freshwater wetlands that will be altered as a result of a proposed project is not required.
- 5. Any change in property ownership during the processing of any application will require the following:
 - a. The submission of a new application form with the identity of the new owner and appropriate signatures; and
 - b. A certified copy of the deed of transfer for applications to alter only.

C. Site plan requirements (formerly § 7.03)

- 1. Site plans must be submitted with the following application types: request to verify wetland edges (§ 2.8(C) of this Part); request for preliminary determination (§ 2.9 of this Part); application to alter a freshwater wetland (§ 2.10 of this Part); and request for permit modification (§ 2.11(C) of this Part). Site plans may be required for other application types as specified below and in §§ 2.8 through 2.11 of this Part.
 - a. For a request to determine the presence of wetlands, a site plan, while desirable, is not required, as described in § 2.8(B) of this Part.
 - b. For a request for regulatory applicability, plan requirements are described in § 2.8(D) of this Part.
 - c. For a request for emergency alteration, a site plan may be required, as described in § 2.11(A) of this Part.
- 2. The correct number of site plans required by the application package must be provided at the time of submission. If additional plans are required, the applicant will be informed and must submit them.
- 3. All site plans must be drawn to scale. The scale of all plans must be no smaller than one (1) inch = one hundred (100) feet (1" = 100'); however, a larger scale is preferred (e.g., one (1) inch = forty (40) feet (1" = 40')). Where additional detail is required to complete its evaluation, the CRMC may require larger scaled details.
- 4. All site plans must be at least 8 ½" x 11" in size but no larger than 24" x 36".

5. All site plans must contain a title block, the original date of the plan, and the latest revision date of the plan if applicable. The title block must include the name of the person or party involved, the proposed project title, if any, the principal street or road abutting the site, the tax assessor's plat and lot number(s), the city or town, the name of the preparer, and the scale of the plan.
6. All site plans containing more than one (1) sheet must be numbered consecutively (specifically: "page 1 of [total number of sheets]," and so forth).
7. All site plans must contain a legend which explains all markings or symbols.
8. All site plans must have all markings permanently fixed. Site plans that are pieced together with tape or contain markings of pen, pencil, crayon, markers or other items that can be changed or altered at a later date are not acceptable. Blueline or blackline prints or photocopies of originals are acceptable.
9. All site plans must depict at least the following:
 - a. Street(s) abutting the site with fixed reference points, (e.g., utility poles and numbers, house and number, and any other similar structures);
 - b. Distance and direction to nearest street intersection;
 - c. Magnetic north arrow;
 - d. Entire property boundary outline and dimensions, which may be shown on a separate plan sheet;
 - e. Inset map showing location of site in the community;
 - f. Any other fixed referenced points including, but not limited to, stone walls, buildings, fences, edge of fields/woods, trails, access roads, and parking lots; and
 - g. Scale of plans.
10. All site plans indicating physical features, distances, contour elevations, property lines, wetland edges, or other information provided as baseline data must clearly note whether such information was obtained by on-site survey, by aerial photogrammetry sources, or by reproduction from other maps or plans. Site plan information obtained from aerial photogrammetry sources or by reproduction from other plans or maps must provide an estimate of the maximum possible horizontal or vertical error between the

information provided and the actual on-site conditions. Site plans developed from on-site surveys must clearly note what class or standard the survey meets.

11. All site plans submitted with a request to verify wetland edges, a request for preliminary determination or an application to alter a freshwater wetland must accurately depict the edge of all freshwater wetlands in accordance with § 2.7(D) of this Part.
12. All site plans submitted for review or approval of a proposed project shall include and depict the following, where applicable:
 - a. Where changes to grades are proposed, both current and proposed contour line elevations at maximum intervals of two feet (2') and where no changes to grades are proposed, include a notation which so indicates;
 - b. Profiles and cross sections drawn to scale;
 - c. A labeled 'limit of disturbance' that encloses all proposed temporary and permanent vegetative clearing and surface or subsurface disturbance associated with the proposed project;
 - d. All temporary and permanent erosion and sediment controls;
 - e. All temporary and permanent stormwater, flood protection and water quality management controls, and all best management practices;
 - f. All proposed measures to conduct, contain or otherwise control the movements of surface water, groundwater, or stormwater flows; and the ultimate destination of such flows;
 - g. Any and all construction activities either above or below the earth's surface which may affect any wetland including the height of planned buildings;
 - h. Any additional specific requirements contained in the application package checklist for proposed projects; and
 - i. A maintenance schedule of all proposed water quality and stormwater control structures.
13. Each site plan sheet prepared by a registered professional must bear the stamp of that professional, along with the date and his or her signature. Site plans submitted for an Application to Alter a Freshwater Wetland must, pursuant to R.I. Gen. Laws § 2-1-22, bear the stamp and signature of a Registered Professional Engineer.

D. Wetland edge requirements (formerly § 7.04)

1. Depiction on site plans – All site plans must accurately depict the following freshwater wetland edges as follows:
 - a. The edge of any swamp, marsh, bog; pond, emergent or submergent plant community, shrub or forested wetland, or any special aquatic site;
 - b. The edge of any river, stream, intermittent stream, area subject to flooding or area subject to storm flowage;
 - c. The edge of any fifty-foot (50') perimeter wetland;
 - d. The edge of any one hundred foot (100') or two hundred foot (200') riverbank wetland;
 - e. The edge and elevation of any flood plain and the limit of any floodway (Note: The CRMC may grant an exception to this requirement when:
 - (1) pre-determined 100-year flood elevations are not available from published sources including previous engineering studies; and
 - (2) when a registered professional engineer provides clear and convincing documented evidence that the project site is above any probable 100-year flood elevation); and
 - f. The name of any surface or flowing water body or any other wetland where applicable.
2. Delineation of wetland edges – Each wetland edge shall be identified on the property as follows:
 - a. The wetland edge shall be flagged with sequentially numbered or lettered flags. Flags must be placed at the wetland edge in sufficient numbers to clearly identify the edge. The distance between flags must allow for adequate visibility from one flag to another;
 - b. The wetland edge shall be surveyed and recorded on a site plan showing the locations and numbers/letters of the flags corresponding with those flags at the site.
 - c. Field delineation of wetland edges may not be required in the following instances:

- (1) The wetland has well-defined edges, provided that the edges are otherwise accurately located, depicted and labeled on the site plans;
 - (2) The proposed project will be sited in an already disturbed area, and sufficient fixed references are available to allow for on-site confirmation of wetland edges (in such cases, depiction on site plans of approximate wetland edges will be acceptable); or
 - (3) The wetland is on adjacent or nearby property, provided that the depiction of wetland edges on the site plans submitted pursuant to this Rule is based on best available mapping or other reliable information and sufficient fixed references are available to allow for onsite confirmation.
- d. Field delineation of the edges of rivers, streams, areas subject to storm flowage, areas of land within 50 feet (perimeter wetlands), riverbank wetlands or floodplains is not required.
3. Use of global position system (GPS) technology to delineate wetland edges is permissible only if GPS results are at least as accurate as a ground survey. The use of GPS must be so noted on site plans, and the CRMC reserves the right to require a standard ground survey.

E. Additional site work (formerly § 7.05)

1. To facilitate site inspection by the CRMC, the applicant must perform site work to clearly identify and label the following activities and features:
 - a. Property boundaries in or adjacent to wetlands, if few or no fixed reference points are available;
 - b. Wetland edges, in accordance with §§ 2.7(D) and 2.18 of this Part, flagged for verification or for review of a proposed project;
 - c. Periodic points of reference to the proposed project;
 - d. The boundary of the outermost limit of disturbance (e.g., filling, clearing, soil disturbance);
 - e. Outlines of proposed ponds and detention and retention basins;
 - f. Subdivision lots and numbers;
 - g. Corner locations of proposed structures in or adjacent to wetlands;

- h. Corner locations of proposed septic systems on proposed lots containing wetlands (staked and labeled);
- i. Center lines of roadways, pipelines and utility lines, with station numbers indicated; and
- j. Centerlines of proposed drainage channels.

F. Requirements regarding use of professionals (formerly § 7.06)

1. State or other law, including these Rules, may require professionals to prepare site plans, specifications, reports or other documents related to activities subject to these Rules. The applicant, or the respondent in matters concerning enforcement actions, is responsible for engaging or employing any and all such professionals. Such licensed professionals shall affix their stamp, signature and date of signing upon those plans, specifications, documents, or portions thereof, for which they are responsible.
2. When a registered professional engineer is engaged, all engineering work that applies to the project application (e.g., drainage calculations and drainage narrative) must be stamped by the engineer; and the engineer shall be registered in the State of Rhode Island.
3. These Rules require, or provide the CRMC with discretion to require, the use of a registered professional engineer in the following instances:
 - a. Pursuant to R.I. Gen. Laws § 2-1-22, site plans submitted for an application to alter a freshwater wetland must bear the stamp and signature of a registered professional engineer.
 - b. The flood plain edge must be established by a registered professional engineer if 100-year flood plain data are unavailable from FEMA.
 - c. Where pre-determined 100-year flood elevations are unavailable, the applicant must provide clear and convincing documented evidence prepared by a registered professional engineer that the project site is above any probable 100-year flood elevation.
 - d. With regard to an application to alter a freshwater wetland, the CRMC may require written certification from a registered professional engineer attesting to the completion of all engineered portions of the project that are described or referred to in the permit and on the approved site plans.
4. As further described in guidance documents available from the CRMC, applicants are strongly advised to retain the services of qualified

professionals with the educational background and experience necessary to perform the following tasks:

- a. Identification and delineation of freshwater wetland edges (§§ 2.7(D) and 2.18 of this Part (Appendix 2); and
 - b. Evaluation of wetland functions, values, and impacts (§ 2.10(B)(5) of this Part.
5. The estimated construction cost (ECC) for certain types of proposed projects or activities must be documented and prepared by an appraiser, general contractor, engineer, land surveyor, architect, landscape architect or another appropriately qualified professional (§ 2.7(J) of this Part).
 6. Professionals who have prepared assessments, evaluations, recommendations, or reports on behalf of an applicant or respondent in matters involving enforcement of these Rules must document their participation in such matters.
 7. For a determination that a proposed project involving certain new construction meets or exceeds all wetland best management practices, the project must be certified by an appropriate licensed professional.

G. Application processing (formerly § 7.07)

1. Pre-application and other meetings. Any person may request a meeting with representatives of the CRMC to discuss regulatory procedures and requirements, to introduce a proposed project for an initial response and discussion, to discuss potential project design alternatives, and to discuss modifications to project designs. The following stipulations will apply:
 - a. If the CRMC has determined the presence of wetlands on or adjacent to the subject property, verified the wetland edges on the property, or if the property is the subject of a previous or ongoing wetland permit application, a person may request a meeting directly with the CRMC. A meeting will be granted at the discretion of the CRMC based upon any statutory limitations.
 - b. If there are no prior wetland determinations or decisions by the CRMC about the subject property, a person may request a Pre-application meeting with the CRMC.
2. Coordination with municipalities.
 - a. Applicants are encouraged to review local zoning, planning and building ordinances that may be relevant to a proposed project as part of preparing a freshwater wetlands application for the CRMC.

- b. Coordination with appropriate municipal officials, as to aspects of a proposed project that may involve conflicts with requirements under these Rules, should be undertaken prior to the submission of an application to the CRMC for review and approval of a proposed project.
 - c. The applicant may invite any appropriate municipal officials to pre-application meetings conducted at the CRMC, and the applicant is encouraged to do so for major land development projects.
- 3. Coordination with the DEM's Onsite Wastewater Treatment System (OWTS) Program. The CRMC reserves the right to require that applications for the same proposed project be submitted concurrently to the DEM OWTS Program to enable the CRMC to undertake a joint review.
- 4. Processing of applications
 - a. The CRMC will assign a number for identification purposes to each application, and shall notify the applicant of the receipt of the application and the number assigned to it. It is the responsibility of the applicant to refer to the assigned application number in all correspondence and inquiries regarding the subject application.
 - b. The CRMC staff will process completed applications generally in the order in which properly completed initial application materials are received by the CRMC, except where potential competing demands of State and CRMC priorities dictate otherwise. The CRMC may process applications out of sequence when those applications are submitted with a certificate of critical economic concern in accordance with R.I. Gen. Laws Chapter 42-117. Requests for emergency alterations (§ 2.11(A) of this Part) will be processed immediately upon receipt.
- 5. Review for completeness.
 - a. After the CRMC receives an application and assigns an application number, it will conduct a completeness review that will focus on administrative and technical reviews to determine whether the application's essential elements, in proper form, have been received and are considered complete. If the CRMC finds that an application is not administratively or technically complete, the applicant will be so informed through a notice of deficiency from the CRMC.
 - b. A request for a preliminary determination or an application to alter is complete when in the opinion of the CRMC it provides all of the requisite information necessary to process the application in accordance with R.I. Gen. Laws § 2-1-22(a) and these Rules. With

respect to an Application to Alter, when the CRMC determines that the application is technically complete, it also will issue the required public notice (See § 2.10(C) of this Part).

6. Written response. All CRMC decisions, determinations or authorizations, with the exception of responses to Requests for Emergency Alterations, will be issued in writing only and signed by the CRMC.
7. Any determination, verification or permit received from the CRMC pursuant to any application involving freshwater wetlands does not obviate the need for the applicant to obtain any and all other necessary permits, and for the applicant and project to comply with all other applicable federal, state and local laws, regulations and ordinances.

H. Suspension of application process (formerly § 7.08)

1. In any of the following circumstances, the CRMC may at its discretion suspend the processing of an application, provided that it so advises the applicant in writing and where appropriate it conducts an investigation of the matter alleged in any of the following circumstances:
 - a. Where the property with respect to which an application has been submitted is alleged to contain unauthorized alterations of freshwater wetlands, discovered either during the review of an application or during investigation of a complaint.
 - b. Where the property with respect to which an application has been submitted is the subject of any unresolved violation of the Rules, or which is the subject of any non-compliance with a CRMC, administrative, or judicial consent agreement, order of the Council, or judgment, or where the property subject to unauthorized alterations is not restored to the satisfaction of the CRMC.
 - c. Where information provided on the application form or in support of the application is misleading, false, erroneous or inconsistent with these Rules, incomplete or non-responsive to deficiencies identified by the CRMC.

I. Recording and transfer of permits (formerly § 7.09)

1. Pursuant to R.I. Gen. Laws § 2-1-22(f), whenever required by the terms and conditions of any permit or revised permit issued by the CRMC, the applicant shall record the permit or revised permit at his or her own expense in the land evidence records of the municipality or municipalities in which the property subject to the permit lies.
2. Any valid permit issued by the CRMC that has been recorded in the land evidence records of the municipality or municipalities in which the property

subject to the permit is located is automatically transferred upon sale of the property to the new owner.

3. In the event a new property owner desires or needs a current permit reissued in his or her name, an application for permit transfer may be submitted to the CRMC in accordance with § 2.11(D) of this Part.
4. Pursuant to R.I. Gen. Laws § 2-1-22(f), the limit of disturbance, the conditions of approval and any other requirements set forth in any recorded permit shall apply to and be enforceable against all subsequent owners of the land subject to the permit, unless a new or modified permit has been obtained from the CRMC.

J. General fee requirements (formerly § 7.10)

1. The applicant must pay all required fees to the CRMC in full at the time the applicant submits any application or request for hearing.
2. The fees for proposed projects and activities are set forth in the fee schedule under § 2.7(K) of this Part.
3. The fees for certain proposed projects (e.g., reconstruction or new construction of roads, railways, or airport facilities and new utility installation, such as installation of major utility lines, pipes, etc.) shall be based on the estimated construction cost ("ECC") of certain portions of such projects. The ECC must include the costs of construction activities such as materials, labor and equipment. The ECC shall not include the cost of land acquisition and consultant fees for planning, design and construction supervision. The ECC must be determined for all portions of the project that are proposed in or above any freshwater wetlands, and for those portions that are proposed in areas sloping/draining into on-site or adjacent freshwater wetlands.
4. The ECC for proposed projects must be documented and prepared by an appraiser, general contractor, engineer, land surveyor, architect, landscape architect or other appropriately qualified professional. Such documentation must be submitted by the applicant with the application. All ECCs shall be subject to review and acceptance by the CRMC. The CRMC may, when deemed necessary, require additional documentation and specific information regarding the ECC.
5. The CRMC will process an application only after receipt of the appropriate fee paid in full.
 - a. Fees not based upon an ECC: If the CRMC determines that a fee not based upon an ECC is incorrect, the CRMC will inform the applicant what additional monies must be submitted.

- b. Fees based upon an ECC: If the CRMC determines that a fee based upon an ECC is substantially incorrect, the CRMC will so notify the applicant. The applicant must then either submit written documentation supporting its original calculation of the fee or submit additional monies to resolve any deficiency. When, in the opinion of the CRMC, the fee remains substantially incorrect, the CRMC will consider the application withdrawn, and will so notify the applicant.
- 6. Unless specified in the fee schedule, fees submitted to the CRMC are not refundable once the technical review of the application has commenced; however, for the original applicant only, the CRMC will apply fifty percent (50%) of the fee submitted for a request for preliminary determination to the cost of a new application for the project, if:
 - a. A determination of significant alteration is issued and the original applicant subsequently files an application to alter freshwater wetlands for the proposed project within six (6) months of the date the preliminary determination was issued; or
 - b. A determination of a significant alteration is issued with recommendations to prevent such an alteration, and the original applicant files a second request for preliminary determination that incorporates the recommendations, within six (6) months of the date of issue of the original preliminary determination.
- 7. All fees must be paid by check or money order made payable to the Rhode Island General Treasurer.
- 8. No application fees pursuant to these Rules are required for projects where the CRMC is the applicant

K. Fee schedule (formerly § 7.11)

- 1. Request to determine the presence of wetlands (§ 2.8(B) of this Part) where the total property area is:
 - a. Less than four (4) acres = \$150.00.
 - b. Four (4) acres up to twenty (20) acres = \$250.00.
 - c. Greater than twenty (20) acres up to forty (40) acres = \$300.00.
 - d. Greater than forty (40) acres = \$400.00.
- 2. Request to verify wetland edge (§ 2.8(C) of this Part) where the wetland edges to be verified are:

- a. Less than 500 feet in length. = \$300.00.
 - b. From 500 to 999 feet in length = \$600.00.
 - c. For edges 1000 feet or more, the fee shall be \$900.00 plus \$300.00 for every additional 500 feet of edge (examples: 1100 feet = \$900.00 and 1500 feet = \$1200.00)
- 3. Request for regulatory applicability (§ 2.8(D) of this Part) - \$150.00
 - 4. Request for preliminary determination (§ 2.9 of this Part) and application to alter a freshwater wetland (§ 2.10 of this Part)

Project Type	Preliminary Determination	Application to Alter
1) Projects associated with developed individual residential lots, e.g., additions, garages, decks, sheds, pools, tennis courts, walls, landscaping; OWTS, new wells, new utility lines, etc.	\$150.00	\$300.00
2) Construction of new individual residential lots, e.g., new single family dwellings and duplexes, and all associated utilities, OWTS, wells, garages, driveways, landscaping, sheds, pools, etc.	\$450.00	\$900.00
3) Limited projects associated with developed apartments, condominiums, offices, schools, churches and commercial/individual lots, e.g., additions, garages, decks, sheds, pools, tennis courts, walls, landscaping; OWTS, new wells, new utility lines, parking areas.	\$300.00	\$600.00
4) Construction of new apartments, condominiums, offices, schools, churches, commercial/industrial projects, including all associated site amenities, utilities and infrastructure, where all proposed work is confined to existing developed areas (buildings, parking areas, pavement, lawn) and where the 'total project area'* is:		
a) less than 1 acre;	\$450.00	\$900.00

b) 1 acre to 4 acres;	\$900.00	\$1800.00
c) greater than 4 acres to 20 acres;	\$1800.00	\$3600.00
d) greater than 20 acres.	\$3600.00	\$4500.00
For proposed projects within Providence, Pawtucket, Central Falls, Newport, and Woonsocket and for properly certified Growth Center projects (when a copy of the certification is submitted with the wetland application and fee): * The 'total project area' is that land area enclosed within the limit of disturbance as described in § 2.7(C)(12)(c) of this Part.	The fee is 25% less than the applicable fee in a-d above.	The fee is 25% less than the applicable fee in a-d above.
<p>5) Construction of new apartments, condominiums, offices, schools, churches, commercial/industrial lots including all associated site amenities, utilities and infrastructure, on undeveloped property or where work is not confined to existing developed areas and where the 'total project area' is:</p> <p>a) less than 1 acre;</p> <p>b) 1 acre to 4 acres</p> <p>c) greater than 4 acres to 20 acres;</p> <p>d) greater than 20 acres.</p> <p>* The 'total project area' is that land area enclosed within the limit of disturbance as described in § 2.7(C)(12)(c) of this Part</p>	<p>\$750.00</p> <p>\$1500.00</p> <p>\$3000.00</p> <p>\$6000.00</p>	<p>\$1500.00</p> <p>\$3000.00</p> <p>\$6000.00</p> <p>\$75000.00</p>
6) New subdivisions and multiple lot projects (including residential, commercial, and industrial development) with all associated infrastructure:		

2 lots	\$900.00	\$1800.00
3 lots	\$1200.00	\$2700.00
4 or 5 lots	\$1500.00	\$3000.00
each additional lot*	\$175.00	\$250.00
*The maximum total fee for any new subdivision is	\$6500.00	\$10,500.00
7) Miscellaneous separate projects:		
a) (1) Individual docks, floats; (2) Wildlife habitat project or water quality improvement project; (3) Dry hydrants, (4) Wetland restoration project	\$100.00	\$300.00
b) (1) Land redevelopment/reuse projects limited to conversion of sand and gravel banks, mill sites, abandoned commercial/industrial property to public recreation facilities; (2) Rehabilitation of existing parks or recreational areas of any size or new parks less than or equal to 4 acres; (3) Multiple docks, floats, or individual boat launches; (4) Pedestrian trails, paths, foot bridges; (5) Irrigation projects, subdrains; (6) Low hazard dam repairs; and (7) Dam removal projects.	\$300.00	\$750.00

c) (1) Wells other than for single family house lots; (2) New pond construction; (3) New or replacement drainage structures/facilities, e.g., culverts and detention basins; and (4) Aquatic plant control projects. If done pursuant to a lake management plan in accordance with guidance prepared by the Department, the fee will be reduced by 50%.	\$600.00	\$1500.00
d) (1) Construction of all new dams; (2) Substantial alteration of a dam (high, significant, or low hazard).	\$600.00	\$2000.00 plus \$200.00/acre impoundment
e) (1) New parks or recreational areas where the total project area is greater than 4 acres; (2) Land clearing and/or grading operations; (3) Industrial processing/cooling, hydroelectric projects; and (4) Bike paths.	\$1200.00	\$4000.00
f) (1) Surface mining, e.g. gravel quarry; and (2) New golf courses:	\$6500.00	\$10,500.00
g) River/stream relocation and/or channelization: (1) River/stream length to be altered (2) Area subject to storm flowage to be altered	\$10.00/linear ft. \$6.00/linear ft. To maximum of \$20,000.00	\$50.00/linear ft. \$25.00/linear ft. To maximum of \$20,000.00

h) Other new construction, reconstruction, demolition, or modification projects not otherwise listed above;	\$1200.00	\$4000.00
8) Fees based on estimated construction costs, (see §§ 2.7(J)(3) and (4) of this Part for how ECC is computed), including all associated drainage systems/facilities, bridges and utilities. (a) Reconstruction of existing or approved roads, railways, or airport facilities:		
(i) Less than or equal to \$200,000.00	\$1000.00	\$2000.00
a. Greater than \$200,000.00 but less than \$500,000.00	\$2000.00	\$3000.00
b. Greater than \$500,000.00 but less than \$1,000,000.00	\$3000.00	\$4000.00
c. Greater than \$1,000,000.00	\$6000.00	\$8000.00
(b) New road, railway, or airport facility construction:		
(i) Less than or equal to \$200,000.00	\$2000.00	\$4000.00
(ii) Greater than \$200,000.00 but less than \$500,000.00	\$4000.00	\$7000.00
(iii) Greater than \$500,000.00 but less than \$1,000,000.00	\$6000.00	\$10,000.00
(iv) Greater than \$1,000,000.00	\$8000.00	\$20,000.00
(c) New utility installation not exempt under § 2.6(J) of this Part		
(i) Less than or equal to \$200,000.00	\$800.00	\$2,000.00

(ii) Greater than \$200,000.00 but less than \$500,000.00	\$1,500.00	\$3000.00
(iii) Greater than \$500,000.00 but less than \$1,000,000.00	\$2,000.00	\$4,000.00
(iv) Greater than \$1,000,000.00	\$4,000.00	\$6,000.00

5. Application for permit modification (§ 2.11(C) of this Part) = \$150.00
 6. Application for permit renewal (§ 2.11(B) of this Part) = \$200.00
 7. Application for permit transfer (§ 2.11(D) of this Part) = \$50.00
 8. All other fees: See fee schedule in Part 10-00-1.4.4 through 1.4.6 of this Title (CRMC Management Procedures).
 9. Change in owner during application processing = \$50.00
- L. Rhode Island DEM “Stormwater Management, Design and Installation Rules” (Stormwater Manual), 250-RICR-150-10-8 (formerly § 7.12)
1. Requirements pertaining to use of the 2010 Manual as amended.
 - a. The 1993 RI DEM “Stormwater Design and Installations Standards Manual” (“Stormwater Manual”) will be superseded by the 2010 Stormwater Manual upon effective date of adoption by the CRMC. Unless otherwise provided in this section, the requirements of the Stormwater Manual, as amended, shall apply to all Requests for Preliminary Determination or Application to Alter Freshwater Wetlands submitted on or after January 1, 2011. The 2010 Stormwater Manual, as amended, may be used in lieu of the 1993 Stormwater Manual beginning on or after the effective date of adoption by the CRMC.
 - b. Applicants for projects which have a currently valid and vested Master Plan approval from the local planning board or commission on or before March 31, 2011 (“Master Plan approval”) may elect to comply with the 1993 Stormwater Manual instead of the 2010 Stormwater Manual provided that a complete application for the project is submitted to the CRMC on or before June 30, 2011. Any project applicant that received Master Plan approval who submits a Request for Preliminary Determination or Application to Alter Freshwater Wetlands to the CRMC after June 30, 2011 shall comply with the Stormwater Manual, including any future phases of a phased project having received Master Plan approval as of March

31, 2011. Applicants shall, at the time of application, submit a copy of the Master Plan approval document(s) demonstrating eligibility under this subsection. This subsection applies only to projects which require Master Plan approval pursuant to R.I. Gen. Laws § 45-23-40.

- c. In the case of any RIDOT project or a local government road or bridge project, the applicant may elect to comply with the 1993 Stormwater Manual instead of the 2010 Stormwater Manual provided that a complete application for the project is submitted to the CRMC on or before June 30, 2011. Any request for preliminary determination or application to alter freshwater wetlands submitted to the CRMC after June 30, 2011 shall comply with the Stormwater Manual.
- d. The CRMC Assent for projects that include a subsurface discharge of stormwater, excluding single-family residential projects, subject to requirements of the Stormwater Manual, as amended, will be forwarded to DEM for registration and tracking upon issuance of a project approval under these Rules.
- e. Unless otherwise exempted as provided in §§ 2.6(E) or (F) of this Part, all single-family residential, non-residential, multi-family residential and accessory structure projects shall comply with the stormwater requirements of § 1.3.1(F) of this Subchapter.

2.8 Request for Determination of the Presence of Wetlands, Wetland Edge Verification, or Request for Regulatory Applicability (formerly § 8.00)

- A. Purpose (formerly § 8.01)
 - 1. An application may be made to the CRMC to request a determination regarding:
 - a. The presence of wetlands on the property which are regulated under the Act (§ 2.8(B) of this Part).
 - b. The verification of the delineated edge of wetlands on the property (§ 2.8(C) of this Part); or
 - c. Whether the Rules apply to a proposed project, or not, or confirmation that a project is exempt according to § 2.6 of this Part (§ 2.8(D) of this Part).
- B. Request to determine presence of wetlands (formerly § 8.02)

1. An applicant seeking a request to determine the presence of wetlands must submit the following documents and adhere to the following requirements:
 - a. A completed application form (§§ 2.7(A) and (B) of this Part);
 - b. The appropriate fee (§ 2.7(K)(1) of this Part); and
 - c. A site plan of the subject property (§ 2.7(C) of this Part), while desirable, is not required. At a minimum, a tax assessor's map that includes a title block and locus map drawn to a scale no smaller than 1" = 100' with sufficient fixed reference points is required. The tax assessor's map must be legible and clearly depict property boundaries. The site plan or tax assessor's map must not depict any proposed project or activities.
 - d. If property boundaries are not clearly identifiable on the property itself, the applicant must clearly identify those boundaries with labeled markers such as flags or stakes.
2. The CRMC will inspect the property and issue a determination stating whether or not regulated wetlands are present. The purpose of this determination is to determine whether wetlands are present on the property and the type of such wetlands, not to verify the specific location of any such wetlands.
3. Any determination regarding the presence of wetlands issued by the CRMC in accordance with this Rule shall be valid for a period of three (3) years from the date of issue.

C. Request to verify wetland edge (formerly § 8.03)

1. An applicant seeking a request to verify wetland edge must submit the following documents and adhere to the following requirements:
 - a. A completed application form (§§ 2.7(A) and (B) of this Part);
 - b. The appropriate fee (§ 2.7(K)(2) of this Part);
 - c. A site plan of the subject property (§§ 2.7(C) and (D) of this Part) prepared by a qualified professional (§ 2.7(F) of this Part), that identifies the wetlands and their edges that the applicant requests the CRMC to verify; and
 - d. Completed wetland edge documentation forms (§ 2.8(C)(5)(c) of this Part).

2. Site plans submitted for request to verify wetland edges must not depict any proposed project or activities.
3. The edge(s) of all freshwater wetlands should be identified by a qualified professional as specified in guidance documents available from the CRMC and shall be delineated in accordance with the specifications set forth in § 2.18 of this Part (Appendix 2).
4. Any delineation or identification of freshwater wetlands completed by a person other than the CRMC, including by an applicant or applicant's agent, shall be valid only after review and written verification by the CRMC (See the procedures outlined in § 2.18 of this Part (Appendix 2)).
5. For verification purposes, the applicant must undertake the following steps:
 - a. Identify each wetland edge that the applicant wishes to have verified on the property, and record the edge on a site plan.
 - (1) The wetland edge on the property shall be flagged with sequentially numbered or lettered flags, and the flags must be placed at the wetland edge in sufficient numbers to clearly identify the edge to be verified. The distance between flags must allow for adequate visibility from one flag to another during the growing season.
 - (2) The wetland edge shall be surveyed and recorded on the site plans showing the location and number/letter of the flag corresponding with those flags at the site.
 - (3) In addition to the surveyed wetland edge, periodic measurements (i.e., at least one (1) for every one hundred feet (100') of surveyed edge) must be recorded on the site plan, indicating the distance from the surveyed edge to fixed reference points on the property. Fixed reference points on the property shall include, but are not limited to: stone walls, watercourses, roads, trails, buildings, structures, fences, cut transects or traverse lines, survey stakes with stations, or other features that allow confirmation of the location of the flagged wetland edge by field measurements.
 - b. Identify the professional(s) conducting the delineation.
 - c. Provide documentation on forms provided by the CRMC describing the reasoning used to delineate a particular wetland edge or any series of edges.

6. Contour elevations, while helpful on site plans, are not required for requests to verify wetland edges, except where
 - a. a request to verify the edge of the 100-year flood plain has been made; or
 - b. the wetland edge is located along or within a parcel exceeding ten (10) acres.
 7. The CRMC will inspect the wetland edge(s) delineated by the applicant and, if in substantial agreement with the documentation provided by the applicant, confirm the presence of identified wetlands and the location of their delineated edges.
 8. Any verification of a wetland edge or series of edges issued by the CRMC shall be valid for a period of three (3) years from the date of issue.
 9. A request to verify wetlands edges file shall be considered closed if the applicant fails to answer any notification of application deficiency or any request for additional information from the CRMC within a period of six (6) months from the date of the deficiency letter or request.
- D. Request for regulatory applicability (formerly § 8.04)
1. An applicant seeking a request for regulatory applicability should submit the following documents and adhere to the following requirements:
 - a. A completed application form (§§ 2.7(A) and (B) of this Part);
 - b. The appropriate fee (§ 2.7(K)(3) of this Part);
 - c. A plan drawn to scale, illustrating and describing current and proposed conditions based on measured distances, and including a clearly depicted limit of clearing and disturbance, a locus map, and the location of any wetlands or wetland edges of concern;
 - d. A written project description including the purpose, size, and location of the project;
 - e. A written description of how potential wetland impacts have been avoided to the maximum extent possible; and
 - f. Photographs depicting the current site conditions in the area of the proposed work.
 - g. While not required, a verified wetland edge may facilitate the applicability decision.

2. The CRMC will review information provided by the applicant, and determine whether the proposed project is exempt or otherwise will not alter the character of any wetland, or whether further application is required in accordance with these Rules. If the proposed project appears to involve an alteration to freshwater wetlands or if the application is not clear or is missing information, further application will be required.

2.9 Request for Preliminary Determination (formerly § 9.00)

A. Purpose and outcomes (formerly § 9.01)

1. A request for preliminary determination application may be submitted to the CRMC to receive a determination as to whether or not a proposed project represents a significant alteration.
2. The CRMC's review of a request for preliminary determination may result in one of the following outcomes:
 - a. Issuance of a permit, with conditions, for an insignificant alteration of freshwater wetlands. Appendix 1 of these Rules (§ 2.17 of this Part) provides examples of insignificant alterations; or
 - b. Issuance of a determination, in accordance with R.I. Gen. Laws § 2-1-22(a) of the Act, that a significant alteration has been proposed and that a permit may be sought only by filing an application to alter a freshwater wetland (§ 2.10 of this Part); or
 - c. Issuance of a determination that a permit is not required, along with conditions deemed necessary to ensure that this remains the case in the future.

B. Application requirements (formerly § 9.02)

1. An applicant seeking a request for preliminary determination must submit the following documents and must adhere to the following requirements:
 - a. Project Scope. The application must include and describe the entire project either proposed or contemplated by the applicant. A request for a partial review or review of fewer than all phases of a project may be considered by the CRMC only if:
 - (1) The CRMC has previously reviewed the entire project and has considered all project impacts on freshwater wetlands; or
 - (2) As a condition of a prior determination, permit, consent agreement, or consent judgment, the CRMC required

separate applications for individual portions of an overall project.

- b. General requirements. The applicant must satisfy the general requirements set forth in § 2.7 of this Part which include the following:
 - (1) A completed application form (§§ 2.7(A) and (B) of this Part);
 - (2) The appropriate fee (§§ 2.7(J) and (K) of this Part);
 - (3) A completed site plan that accurately depicts the wetlands edges that are on the property (§§ 2.7(C) and (D) of this Part); and
 - (4) Site requirements to identify the proposed project (§ 2.7(E) of this Part).
- c. Project description. The applicant must provide an overall description of the project, including project size, purpose, location and type; site history; and a description of the areas evaluated, including nearby roadways and adjacent land uses.
- d. Avoidance and minimization requirement
 - (1) Avoidance: All persons must satisfactorily demonstrate to the CRMC in the form of a written narrative that all probable impacts to freshwater wetlands functions and values have been avoided to the maximum extent possible. The written narrative must describe what steps were taken to avoid impacts to freshwater wetlands. At a minimum, applicants must consider and address the following issues:
 - (AA) Whether the primary proposed activity is water-dependent or whether it requires access to freshwater wetlands as a central element of its primary purpose (e.g., a pier);
 - (BB) Whether any areas within the same property or other properties owned or controlled by the applicant could be used to achieve the project purpose without altering the natural character of any freshwater wetlands;
 - (CC) Whether any other properties reasonably available to, but not currently owned or controlled by, the applicant could be used to achieve the project purpose while avoiding wetland alterations. A property is reasonably

available if, in whole or in part, it can be acquired without excessive cost, taking individual circumstances into account, or, in the case of property owned or controlled by the same family, entity, group of affiliated entities, or local, state or federal government, may be obtained without excessive hardship;

(DD) Whether alternative designs, layouts or technologies could be used to avoid freshwater wetlands or impacts on functions and values on the subject property or whether the project purpose could be achieved on other property that is reasonably available and would avoid wetlands;

(EE) Whether the applicant has made any attempts (and if so what they were) to avoid alterations to freshwater wetlands by overcoming or removing constraints imposed by zoning, infrastructure, parcel size or the like; and

(FF) Whether the feasible alternatives that would not alter the natural character of any freshwater wetlands on the subject property or on property that is reasonably available, if incorporated into the proposed project would adversely affect public health, safety or the environment.

(2) Minimization: For any impact to freshwater wetlands that cannot be avoided, the applicant must satisfactorily demonstrate to the CRMC in the written narrative that the impact to wetland functions and values have been reduced to the maximum extent possible. At a minimum, applicants must consider and address the following issues:

(AA) Whether the proposed project is necessary at the proposed scale or whether the scale of the wetland alteration could be reduced and still achieve the project purpose;

(BB) Whether the proposed project is necessary at the proposed location or whether another location within the site could achieve the project purpose while resulting in less impact to the wetland;

(CC) Whether there are feasible alternative designs, layouts, densities or technologies, that would result in

less impact to the wetland while still achieving the project purpose; and

(DD) Whether reduction in the scale or relocation of the proposed project to minimize impact to the wetland would result in adverse consequences to public health, safety or the environment.

(3) Mitigation measures. Measures, methods, or best management practices to avoid alterations of and minimize impacts to wetlands include, but are not limited to:

(AA) Preserving natural areas in and around wetlands;

(BB)) Minimizing the extent of disturbed areas and encouraging the preservation of land in its natural state;

(CC) Designing dense plantings of shrubs and trees between the developed areas and the remaining natural areas:

(i) to "buffer" impacts from loss of wildlife habitat and loss of natural areas and

(ii) to reduce the impacts of noise, lighting and other disturbances upon wildlife and the remaining natural areas;

(DD) Maintaining unrestricted fish and wildlife passage;

(EE) Designing structures and alterations so that they are located outside of flood plain, floodway, areas subject to flooding, flowing bodies of water or other freshwater wetlands;

(FF) Using best management practices for the stabilization of disturbed areas and the selection, use, and maintenance of temporary or permanent soil erosion and sediment controls in accordance with the latest version of the RI Soil Erosion and Sediment Control Handbook and the RI DEM "Stormwater Management, Design and Installation Rules", 250-RICR-150-10-8;

(GG) Using best management practice selection and design criteria in accordance with the latest version of the RI DEM "Stormwater Management, Design and

Installation Rules,” 250-RICR-150-10-8, to reduce post-development stormwater flows and maximize the control, treatment and maintenance of systems that reduce stormwater impacts to acceptable levels;

- (HH) Minimizing impervious surface areas such as roads, parking, paving or other surfaces;
- (II) Incorporating compensatory flood storage area(s) where necessary and in compliance with these Rules;
- (JJ) Encouraging infiltration of non-contaminated run-off into uncontaminated soils;
- (KK) Preventing channelization or piping of run-off and encouraging sheet flow;
- (LL) Landscaping with gradual slopes to maximize sheet flow and infiltration while minimizing channelization;
- (MM) Minimizing or eliminating the use or increase of any pollutants, fertilizers, pesticides, herbicides, or any other chemical or organic application which increase pollutant and nutrient loadings;
- (NN) Maximizing setbacks of septic systems and other land disturbances from wetlands; and
- (OO) Minimizing the withdrawal of surface water or groundwater from wetlands or uplands adjacent to wetlands, especially during dry periods, and minimizing any reduction in river or stream flow.

e. Engineering requirements

- (1) Applicants must submit supporting calculations, documents, and reports to demonstrate that the proposed project meets or exceeds the review criteria set forth in §§ 2.9(C) and 2.10(E) of this Part below. Applicants should refer to the written evaluation – required elements in §§ 2.10(B)(5)(d)((3)) through ((5)) of this Part for guidance.
- (2) Engineering calculations are not required for individual residential lots except where areas subject to storm flowage, rivers, streams, or flood plains will be altered.
- (3) The CRMC reserves the right to require additional information in order to satisfy the review criteria or to waive

any requirement if it is determined that the information is not applicable.

- f. Compliance with water quality regulations. Applicants must comply with the DEM's "Water Quality Regulations," 250-RICR-150-05-1, where applicable. The applicant must submit a separate application directly to DEM when a water quality certification is required under the DEM "Water Quality Regulations".

C. Review by the CRMC (formerly § 9.03)

1. On-site review and evaluation. Pursuant to R.I. Gen. Laws § 2-1-22(a), the CRMC will act on a request for preliminary determination only following an on-site review and a preliminary evaluation of the project and its anticipated impacts to the natural characteristics, functions, or values of the subject freshwater wetlands.
2. Significant alteration. The CRMC will evaluate all requests for preliminary determination to ascertain whether such projects will result in significant alterations of freshwater wetlands. The CRMC will consider the following criteria in making this evaluation, as well as the criteria in § 2.10(E) of this Part. A proposed alteration may be considered significant whenever any one of the following conditions exist:
 - a. A project does not satisfactorily avoid, minimize or mitigate impacts to freshwater wetlands;
 - b. A project appears to propose a random, unnecessary, or undesirable alteration to freshwater wetlands;
 - c. A project appears to alter the character, functions or values of any freshwater wetland in a way that could result in the following:
 - (1) More than a minimal change of any portion of any swamp, marsh, pond, bog; special aquatic site, emergent, submergent, shrub or forested wetland, river, stream, intermittent stream or other watercourse from wetland to upland;
 - (2) The detrimental modification of the biological, chemical or hydrologic characteristics of any wetland areas which could reduce the natural values associated with the wetland;
 - (3) Reduction of the value of any fifty-foot (50') perimeter wetland, or one hundred foot (100') and two hundred foot (200') riverbank wetland through permanent loss or change in characteristics;

- (4) More than minimal displacement of any flood waters onto or into property owned by others;
 - (5) Increased flooding by a change in runoff;
 - (6) Reduction of the groundwater recharge or discharge value of any wetland;
 - (7) Reduction of river, stream or intermittent stream flows as a result of diversion or withdrawal of water;
 - (8) Permanent change or conversion from one habitat type in a wetland to another; or
 - (9) The disturbance or destruction of any rare species or rare wetland type or the degradation of habitat for rare species.
 - d. A project proposes temporary alterations which over time may cause significant permanent alterations to freshwater wetlands and their functions and values; or
 - e. Any individual alteration that may, when evaluated cumulatively with other alterations, cause significant impacts to freshwater wetlands and their functions and values.
3. Insignificant alteration. In order to obtain a permit for an insignificant alteration, the CRMC must be satisfied, either by supporting site plan(s) and documentation provided by the applicant and his or her qualified professionals or by staff evaluation, that:
- a. All probable impacts to freshwater wetland functions and values have been avoided to the maximum extent possible;
 - b. Any impacts resulting from physical loss or permanent change of wetland characteristics are so limited in scope, area or duration that they could only result in minimal change to the characteristics, functions and values of the freshwater wetland;
 - c. The project does not appear to propose any random, unnecessary, or undesirable alteration to any freshwater wetland;
 - d. Best management practices and other mitigative features were incorporated to avoid a significant alteration of wetlands and to protect wetland functions and values; and
 - e. The project complies with the review criteria set forth in § 2.10(E) of this Part.

D. Permit requirements, conditions, and renewals (formerly § 9.04)

1. The CRMC may grant a permit in response to a request for preliminary determination, without first requiring an application to alter a freshwater wetland under R.I. Gen. Laws § 2-1-22(a), provided, however, that any such permits shall only be issued for insignificant alterations and shall be subject to such conditions, including time of completion, as the CRMC may require to protect the wetlands.
2. Any applicant or subsequent transferee receiving a permit under this Rule shall comply with all conditions of the permit and all provisions of the Act and these Rules. Any non-compliance with the permit violates the Act and these Rules, and constitutes sufficient grounds for an enforcement action.
3. The permittee or subsequent transferee of the property to which the permit relates is responsible for the proper installation, operation, maintenance and stability of any mitigative features, facilities, and systems of treatment and control that are installed or used to comply with these Rules and any terms and conditions of the permit and to prevent harm to freshwater wetlands. All applicants receiving a permit or subsequent transferees of the property shall avoid or minimize adverse impacts to any freshwater wetlands and their functions and values, both during and after permitted activities
4. Unless specified in writing by the CRMC, any decision issued in response to a request for preliminary determination applies only to the proposed project that is described in the Request and its supporting documentation, including the requisite site plans. Site plans shall bear a stamp of approval, signed by the CRMC, as well as the date of the permit letter and the correct application number.
5. Any permit issued in response to a request for preliminary determination shall be valid for a period of three (3) years from the date of issuance. Permits subject to the tolling provisions of R.I. Gen. Laws § 46-23-6.3 shall be extended as provided below in §§ 2.9(D)(5)(a) or (b) of this Part. Permits may be extended as provided in § 2.9(D)(5)(c) of this Part below.
 - a. Permits pertaining to the development of land that were in effect on November 9, 2009 shall be valid an additional 598 days after the three (3) year period established above.
 - b. Permits pertaining to the development of land issued between November 9, 2009 and June 30, 2011 shall be valid until July 1, 2014.
 - c. The permit may be extended by the permit holder in accordance with Part 10-00-1.5.12 of this Title (CRMC Management Procedures), provided that:

- (1) The permit holder and project are in compliance with the permit; and
 - (2) The permit holder submits an Application for permit extension that meets the requirements of § 2.11(B) of this Part and the CRMC Management Procedures.
 6. Upon completion of the construction of the permitted project, the permit does not need to be renewed by the permit holder.
 7. Any preliminary determination issued by the DEM that relates to an approval of a project as an insignificant alteration or a determination that the Act does not apply to a specific project, prior to April 7, 1994, is expired.
- E. CRMC's decision – Notification (formerly § 9.05)
1. The CRMC will mail notice of its decision to the applicant and the applicant's representative, if any, in accordance with the CRMC's Management Procedures.
- F. Application closure (formerly § 9.06)
1. The CRMC's consideration of any request for preliminary determination shall be deemed to have terminated, and the applicant's file shall be deemed closed, when any of the following circumstances has occurred:
 - a. The applicant fails to answer any notification of application deficiency or request for additional information by the CRMC within the prescribed and written timeframe provided in the notification or request; or
 - b. The CRMC is notified of a change of ownership during the processing of the application, and the new owner does not comply with § 2.7(B)(5) of this Part within 60 days; or
 - c. The CRMC has issued a permit or a written determination that the Act and these Rules do not apply, or that a proposed project represents a significant alteration of freshwater wetland.

2.10 Application to Alter a Freshwater Wetland (formerly § 10.00)

- A. Purpose (formerly §10.01)
1. In accordance with R.I. Gen. Laws § 2-1-22(a), an application to alter a freshwater wetland will be required if a significant alteration is proposed. Such an application is subject to the application procedures and requirements as set forth in R.I. Gen. Laws § 2-1-22 and these Rules.

2. A significant alteration results from a project that:
 - a. Because of its area, scope or duration, appears to represent more than a minimal change in or modification to the natural characteristics, functions or values of any freshwater wetland;
 - b. May be detrimental to the basic natural capabilities or values associated with such freshwater wetland; or
 - c. Appears to be random, unnecessary or undesirable.
 3. Prior to filing an application to alter, an applicant may file a request for preliminary determination to determine whether or not a project appears to represent a significant alteration to freshwater wetlands. The CRMC recommends that an applicant file a request for preliminary determination prior to filing an application to alter, unless the applicant is confident that the project represents a significant alteration to freshwater wetlands.
- B. Application requirements (formerly § 10.02). An applicant seeking a permit for a significant alteration through an application to alter a freshwater wetland must adhere to the following requirements and submit all written evaluations and documentation as set forth in § 2.10(B)(3) of this Part.
1. Project scope. An application to alter a freshwater wetland must include and describe the entire project proposed or contemplated by the applicant. A request for a partial review or a review of fewer than all phases of a project may be considered by the CRMC only if:
 - a. The CRMC has previously reviewed the entire project and considered all project impacts on freshwater wetlands; or
 - b. As a condition of a prior determination, permit, or consent agreement, or consent judgment, the CRMC required separate applications for individual portions of an overall project.
 2. General provisions. A completed application to alter must comply with the general provisions set forth in § 2.7 of this Part as well as the following specific requirements:
 - a. An original completed application form (See § 2.7(A) of this Part);
 - b. Site plans which accurately and clearly depict the project and provide, in the opinion of the CRMC, the correct location, extent, and type of all wetlands within and near the project (§§ 2.7(C) and (D) of this Part);
 - c. A fee (§§ 2.7(J) and (K) of this part);

- d. Proof of ownership in the form of a current certified copy of the deed of the subject property;
 - e. A current list of the property owners whose properties abut the proposed project parcel(s) as required by Part 10-00-1.5 of this Title (CRMC Management Procedures). This list of property owners must contain the current mailing address of each property owner and must be accompanied by a map drawn to scale of not less than one inch to one hundred feet (1"=100') showing the properties, lot numbers, and corresponding owners immediately abutting the parcel(s) of the proposed wetland alteration(s). For the purposes of determining the abutting property owners to the proposed project, the applicant shall measure from the outermost boundaries of the proposed wetland alterations. Such wetland alteration boundaries must include at least the following:
 - (1) The extent of all physical disturbance in regulated wetlands;
 - (2) The extent of any impoundment or raising of water elevations in wetlands;
 - (3) The extent of drainage of wetlands, including lowering of surface and sub-surface water elevations;
 - (4) The relocation of flowing bodies of water or watercourse s, including the original and proposed locations; and
 - (5) The expansion of any regulated wetland areas into adjacent properties.
 - f. All written evaluations and documentation as set forth in § 2.10(B)(3) of this Part;
 - g. Following notification from the CRMC, the required number of full-size and reduced site plans, drawn to scale and legible, which are necessary to provide to the municipality, the abutters, and other interested parties;
 - h. Completed field work that includes field reference markers on the property and points on the site plans sufficient to outline the limits of the project and to identify the edge of all wetlands within the project in a manner sufficient for the CRMC to properly complete its evaluation.
3. Written documentation and evaluation. All applicants must provide a written evaluation including a table of contents, a project description, an avoidance and minimization statement, and an evaluation of the wetland functions, values and impacts:

- a. The table of contents shall list all section titles and their corresponding page numbers.
- b. The project description shall describe the overall project, including the project size, purpose, location, and type; site history; and overall areas evaluated including nearby roadways and adjacent land uses.
- c. The avoidance and minimization statement must satisfy the avoidance and minimization requirements as set forth in § 2.10(B)(4) of this Part below.
- d. The evaluation of functions, values, and impacts must describe the evaluation methodology, qualifications of professional(s) performing the evaluation; identification of regulated freshwater wetlands; description of wetland functions, values, and impacts, identification of the proposed measures to reduce such impacts; conclusions; and any literature citations as set forth in § 2.10(B)(5) of this Part below.

4. Avoidance and minimization requirement

- a. Avoidance: All persons must satisfactorily demonstrate to the CRMC in the form of a written narrative that all probable impacts to freshwater wetlands functions and values have been avoided to the maximum extent possible. The written narrative must describe what steps were taken to avoid impacts to freshwater wetlands. At a minimum, applicants must consider and address the following issues:
 - (1) Whether the primary proposed activity is water-dependent, or whether it requires access to freshwater wetlands as a central element of its primary purpose (e.g., a pier);
 - (2) Whether any areas within the same property or other properties owned or controlled by the applicant could be used to achieve the project purpose without altering the natural character of any freshwater wetlands;
 - (3) Whether any other properties reasonably available to, but not currently owned or controlled by, the applicant could be used to achieve the project purpose while avoiding wetland alterations. A property is reasonably available if, in whole or in part, it can be acquired without excessive cost, taking individual circumstances into account, or, in the case of property owned or controlled by the same family, entity, group of affiliated entities, or local, state or federal government, may be obtained without excessive hardship;

- (4) Whether alternative designs, layouts or technologies could be used to avoid freshwater wetlands or impacts on functions and values on the subject property or whether the project purpose could be achieved on other property that is reasonably available and would avoid wetlands;
 - (5) Whether the applicant has made any attempts (and if so what they were) to avoid alterations to freshwater wetlands by overcoming or removing constraints imposed by zoning, infrastructure, parcel size or the like; and
 - (6) Whether feasible alternatives that would not alter the natural character of any freshwater wetlands on the subject property or on property that is reasonably available, if incorporated into the proposed project, would adversely affect public health, safety or the environment.
 - b. Minimization: For any impact to freshwater wetlands that cannot be avoided, the applicant must satisfactorily demonstrate to the CRMC in the written narrative that the impact to wetland functions and values have been reduced to the maximum extent possible. At a minimum, applicants must consider and address the following issues:
 - (1) Whether the proposed project is necessary at the proposed scale or whether the scale of the wetland alteration could be reduced and still achieve the project purpose;
 - (2) Whether the proposed project is necessary at the proposed location or whether another location within the site could achieve the project purpose while resulting in less impact to the wetland;
 - (3) Whether there are feasible alternative designs, layouts, densities or technologies, that would result in less impact to the wetland while still achieving the project purpose; and
 - (4) Whether reduction in the scale or relocation of the proposed project to minimize impact to the wetland would result in adverse consequences to public health, safety or the environment.
 - c. Mitigation measures: Measures, methods, or best management practices to avoid alterations of and minimize impacts to wetlands are described in § 2.9(B)(1)(d)((3)) of this part.
5. Evaluation of wetland functions, values, and impacts. All applicants must describe those functions and values provided and maintained by the

subject freshwater wetland; describe and assess any anticipated impacts to the wetland's functions and values; and describe all structural or non-structural best management practices, best available technologies, schedules, and management plans which will be employed to avoid, or minimize impacts to freshwater wetlands to the maximum extent possible. This written evaluation must clearly and fully explain how the proposed project complies with the applicable review criteria set forth or referred to in § 2.10(E) of this Part and must describe the evaluation methodology, the qualifications of persons involved in the evaluation, and must describe all freshwater wetlands.

- a. Evaluation methodology: Identify the scientific techniques and methods which were used to complete the evaluation, including the dates and times of observations and field studies and the result of such observations and field studies. Identify each specific evaluation methodology that was used, and identify, describe, and explain any deviation from the methodology, and any assumptions made with a specific methodology. Identify and describe any limitation placed upon the study or evaluation which could affect the outcome of the results.
- b. Qualifications: List the names and qualifications of each person involved in the evaluation. Assessment of wetland functions and values and impacts may require input by more than one qualified professional consultant or more than one individual familiar with the specific functions or values of the wetland. The names, addresses and backgrounds of any individuals consulted for the evaluation must be submitted as well as a description of the extent of their participation.
- c. Freshwater wetlands: Describe all freshwater wetlands on-site as well as any off-site wetlands that are hydrologically connected to the on-site wetland(s) and identify all wetlands evaluated, including any areas of potential impact associated with the project within freshwater wetlands.
- d. In addition to the evaluation elements required above, the applicant must address the following requirements in the written evaluation:
 - (1) Wildlife and wildlife habitat
 - (AA) Wetland characteristics. Provide the size of the wetland(s), and describe the topography, microtopography (i.e., leaf litter, mound and pool, exposed soil, rocks), soils, hydrology, dominant plant communities and vegetation in each stratum (i.e., tree, shrub, and herbaceous layers) or, if a pond,

special aquatic site or watercourse, the dominant aquatic vegetation; identify and describe any standing or flowing water bodies, water quality, nearby land uses within one hundred and fifty feet (150') of the edge of the subject wetlands; and identify the wetland(s) which are hydrologically connected to the on-site wetland(s) with distances between wetlands provided;

- (BB) Wildlife indicators. Detail and describe the indications of wildlife use (e.g., direct observation of wildlife or indicators such as burrows, scat, tree cavities, tracks, trails, nests, scrapes, and any other observable signs or vocalizations). Detail those species known to be present or that can be anticipated to use the habitat that is present. Note the presence of wildlife habitat which is likely to be used by game or non-game species;
- (CC) Wetland values. Identify and describe the current and potential ability of the wetlands to provide or maintain the functions and values as defined herein relating to wildlife and wildlife habitat; and
- (DD) Proposed impacts. Identify and describe the physical, chemical and biological impacts, both short-term and long-term, to the wildlife habitat associated with the wetland resulting from the project which include, but are not limited to: impacts to travel, nesting, feeding, spawning, resting, nursery or brood rearing, escape cover, seasonal breeding, migration, and overwintering for resident, seasonal or transient species; impacts to any rare species; impacts to any game or non-game species managed by state or federal fish and game agencies; impacts to wildlife habitat functions and values due to changes associated with lighting, noise, temperature, water quality, air quality, water velocity, flow patterns, water elevations, water temperature, fragmentation of habitat, predator/prey relationships, composition of plant or animal communities, intrusion of exotic or invasive species; whether the project may result in displacement, reduction or extirpation of any wildlife species; and whether the project will result in any cumulative loss of wildlife habitat, wildlife species or wildlife populations.

(2) Recreation and aesthetics

- (AA) Wetland characteristics. Provide the size of the wetland(s), and describe topography, soils, hydrology, dominant plant communities and vegetation in each stratum (i.e., tree, shrub, and herbaceous layers), or if a pond or watercourse, the dominant aquatic vegetation; identify and describe any standing or flowing water bodies, water quality, nearby land uses within one hundred and fifty feet (150') from the edge of the subject wetland(s), and identify the wetland(s) which are hydrologically connected to the on-site wetland(s) with distances between wetlands provided. Also, identify and describe the location of the wetland(s) and the availability of public access and viewing sites;
- (BB) Wetland values. Identify and describe the current and potential ability of the wetland to provide or maintain the functions and values as defined herein relating to recreation and aesthetics; and
- (CC) Proposed Impacts. Describe the probable individual and cumulative impacts of the project on the wetland's recreational and aesthetic values and any potential reduction in the wetland's current or potential ability to provide aesthetic values and active or passive recreational activities to the public. Consider the impacts to: wildlife habitat; rare species; vegetation and plant communities; water quality; water temperature, water velocity, water volume and water elevation; wildlife which can be fished, hunted, trapped, observed, heard, studied, or photographed; open space value; public access and public's view of the wetland; wetland's prominence as a distinct feature in the local area; the use and enjoyment of watercourses or water bodies within, adjacent to, or nearby the project; and the wetland's functions and values as a rare wetland type.

(3) Flood protection

- (AA) Drainage characteristics. Identify and describe the drainage characteristics of the site of the project, including any areas contributing stormwater runoff to freshwater wetlands; describe the drainage characteristics of any surface water flows within the project site, or within any freshwater wetlands on or off-site that may be impacted by the project; and identify and describe the extent of flooding up to and including a 100-year frequency storm flood event. Include a map which delineates the watershed of: the site of the project; any wetlands receiving water from the site of the project; and any off-site wetlands which may be impacted by the project.
- (BB) Wetland values. Identify and describe the wetland functions and values as defined herein relating to the ability of the wetland to temporarily store or meter out flood waters from storm events, and to accommodate surface water and drainage through or within the wetland under pre-project conditions.
- (CC) Analysis of proposed impacts.
- (i) Projects proposing changes in run-off towards freshwater wetlands: Submit a stormwater analysis for pre- and post-project runoff rates based upon the 1-year, 10-year, and 100-year, 24-hour, Type III storm events. The analysis must be performed using methodologies specified in the most recent version of the RI DEM "Stormwater Design and Installation Standards Manual". In the event that the stormwater analysis reveals any increase above pre-project runoff rates, or any increase in peak flood elevations within receiving waters/wetlands, identify and describe the impact such proposed increase may have upon all wetland functions and values as defined herein. Describe the anticipated impacts to the wetlands using supporting calculations, data, diagrams, graphs, and observations.
 - (ii) Projects proposing changes in drainage characteristics of freshwater wetlands or affecting the wetland's ability to store, meter out, or reduce the impacts of flooding and flood flows: Identify and describe all project

components that may decrease the wetland's flood storage capacity, decrease the wetland's ability to meter out flood waters, or decrease the wetland's ability to maintain surface flows and natural drainage characteristics. Such project components include, but are not limited to: changes in topography from filling or excavation; changes in vegetative characteristics; additions of buildings or structures; and piping, culverting, bridging, excavating, channelization, relocation, filling, damming or diking. Identify and describe the impacts the project may have upon all wetland functions and values as defined herein. Describe the anticipated impacts of all projects using supporting calculations, data, diagrams, figures, graphs or observations as appropriate. Such impact evaluation must be supported by a flood flow analysis based upon the 1-year, 10-year, and 100-year, 24-hour, Type III storm event for pre- and post-project conditions.

- (DD) Compensation for loss of flood storage. Projects which propose filling or placement of structures in a flood plain or area subject to flooding may provide compensatory flood storage in order to comply with the review criteria as set forth in § 2.10(E) of this Part by excavation or by permanently eliminating structures which currently displace flood waters; however, compensatory storage may not be proposed beneath or within the confines of any building or structures. Where applicable, compensatory flood storage must be proposed in accordance with the following requirements:
- (i) The volume of compensatory flood storage must be equal to or greater than the volume of floodwaters displaced by the project;
 - (ii) The compensation area must have an unrestricted hydraulic connection to the affected wetland and provide the same rate of flood storage capture and discharge over the course of the flood event as in pre-project conditions;

- (iii) Compensatory storage must be located within the same reach of the river or flowing body of water (i.e., between the nearest features controlling the flood water elevations upstream and downstream from the proposed displacement area) as the project involving flood water displacement, and must be located as close to the proposed displacement area as possible;
- (iv) Compensatory storage must precede the construction of any portion of the project which displaces flood waters;
- (v) Where the applicant proposes a compensatory storage area on property owned by others, the applicant must submit a written agreement between such landowner and the applicant wherein the landowner agrees to convey an easement or other property interest or right to the applicant allowing compensatory storage, and to permanently maintain such area for flood storage purposes in the event that the CRMC approves the applicant's project; and
- (vi) The design must include all features and best management practices to ensure that impacts to other freshwater wetland functions and values have been mitigated.

(4) Groundwater and surface water supplies

- (AA) Drainage characteristics. Identify and describe the current drainage characteristics, including both surface and groundwater flows, within and to any wetland(s) that may be affected by the project. Identify the pre-project elevation range of the surface or groundwater on a seasonal and annual basis in the wetland(s) and in the vicinity of the proposed alteration. Describe the extent to which the surface or groundwater levels deviate from long-term ranges and averages. Include a map delineating the watershed of: the site of the project; any wetlands receiving water from such site; and any off-site wetlands which may be impacted by the project.

- (BB) Wetland functions and values. Identify and describe the wetland's functions and values as defined herein relating to surface water or groundwater supplies.
- (CC) Proposed impacts. Identify and describe all components and activities of the project that may directly or indirectly divert, reduce or contain surface or groundwater flow to, away from, or within any wetland(s), including a description of the volumes of water which may be diverted, reduced or contained, and the rate and duration of such diversion, reduction or containment. Identify and describe the impacts the project may have upon all wetland functions and values. Describe the anticipated impacts to the wetland using supporting calculations, data, figures, diagrams, graphs and observations as appropriate.

(5) Water quality

- (AA) Drainage characteristics. Identify and describe the current drainage characteristics of the area of the project, including any on- or off-site wetlands that may be impacted by the project.
- (BB) Wetland functions and values. Identify and describe the wetland's functions and values as defined herein relating to water quality; and describe the present water quality classification of any water body as set forth in the most recent edition of the Rhode Island Department of Environmental Management 3.05(b) Report, State of the State's Waters. Include a description of the water quality conditions of all freshwater wetlands within the project area, as well as any off-site wetlands that may be affected by the project.
- (CC) Water quality analysis.
 - (i) When required, submit a pollutant loading analysis that quantifies the pollutants in stormwater runoff for both pre- and post-project conditions using the methodology specified in the most recent edition of RI DEM "Stormwater Management, Design and Installation Rules," 250-RICR-150-10-8. If the methods used incorporate the best available technology, but are different from those in the manual or

deviate from its guidelines, the applicant must describe why they were used and submit and document all data, calculations, and methods used. The acceptance of these alternative methods is subject to CRMC approval; and

- (ii) Submit a water quality analysis that quantifies the pollutant concentrations or loadings from land uses with higher potential pollutant loads (LUHPPLs) that is in excess of those loadings typically found in stormwater runoff, including, but not limited to, industrial operations, chemical manufacturing, waste processing facilities, plant nurseries or other land uses involving use of fertilizers, herbicides, pesticides for both pre- and post-project conditions by using one or more acceptable and scientifically supported methodologies. The acceptance of the method(s) utilized for such calculations is subject to CRMC approval.

- (DD) Proposed Impacts. Identify and describe all components and activities of the proposed project that may result in any degradation of water quality associated with freshwater wetlands by increasing pollutant sources; nutrient loading; increasing turbidity; decreasing oxygen; altering temperature regimes; reducing stream or river flows; altering the wetland's ability to retain or remove nutrients; or by withdrawing water from or near any wetlands. Identify and describe the impacts the proposed project may have upon all wetland functions and values as defined herein. Describe the anticipated impacts to the wetland(s) using supporting calculations, data, figures, diagrams, graphs and observations.

- (6) Soil erosion and sediment control.

- (AA) Identify and describe all proposed land disturbance activities; current site conditions, including soil conditions and topography; drainage characteristics of the site of the proposed project; any critical erosion areas; and all proposed non-structural and structural temporary and permanent erosion and sediment control methods. Further, describe how and why such erosion and sediment control measures will protect wetland functions and values and meet the review

criteria as set forth in § 2.10(E) of this Part. The written evaluation must include supporting calculations, data, figures, diagrams, graphs and observations.

- e. Conclusion: Identify and detail how the project meets the review criteria as set forth in § 2.10(E). Describe any measures to reduce impacts which were considered and rejected and indicate why they cannot or should not be employed.
 - f. Literature citations: Provide citations for all literature used to support the evaluation.
- 6. Compliance with water quality regulations. Applicants must comply with the DEM's "Water Quality Regulations," 250-RICR-150-05-1, where applicable. The applicant must submit a separate application directly to DEM when a water quality certification is required under the DEM "Water Quality Regulations".
- C. Completeness determination (formerly § 10.03). Prior to the public notice of any application to alter freshwater wetlands, the CRMC will review the application to determine whether or not it is a completed application for public notice purposes (See § 2.10(B)(2) of this Part).
- D. Public notice and participation – public hearings (formerly § 10.04)
 - 1. Public notice: An application to alter a freshwater wetland shall be publicly noticed in accordance with the CRMC's Management Procedures. The public notice period shall commence upon the day of mailing of the notice and end thirty (30) days thereafter. Notice of the application shall be made by first class mail. The CRMC will rely upon those names and addresses provided by the applicant to notify abutting property owners and the applicant must ensure that the list of abutters is current and accurate at the time of application filing.
 - 2. Content
 - a. Notice for public comment:
 - (1) The notice shall include the name of the applicant seeking permission to alter, the applicant's address, the purpose of the project as described by the site plans, the wetland area(s) to be altered, the proposed alterations, and a reduced set of site plans (8.5" x 11") provided by the applicant.
 - (2) The CRMC shall furnish the notice, one full-size copy of the site plans, and a copy of one completed application form as

provided by the applicant to the city or town council and the city or town clerk within whose borders the project is proposed. The CRMC shall request that the city or town clerk maintain the notice, site plans and application within that office for public viewing during the thirty (30) day notice period.

- b. Public notice – disclaimer: Notice of the application is not a notice of approval or any intent by the CRMC to approve or permit the project.
- c. Review during public notice: The CRMC will not make a decision on an application as to whether any wetland alteration is random, unnecessary, or undesirable during the public notice period.

3. Public comments

- a. Comments filed with the CRMC will be considered and reviewed if they are in writing, are legible, contain a discernable name and address of the objector, are signed and are received during the notice period. The commenter must identify the application number noted in the public notice or must otherwise identify or reference the project about which they are objecting. The CRMC will not consider or review comments to projects which do not contain sufficient information to properly relate the objection to a specific application.
- b. A comment will be considered timely filed if received within the thirty (30) day public comment period. If the last day of the notice period ends on a weekend or holiday, the end of the public notice period will be extended through the next working day.
- c. The CRMC shall determine whether a comment is an objection of a substantive nature pursuant to § 1.1.6(G) of this Subchapter. All comments received by the CRMC will remain part of the application file.
- d. If a comment is determined to be a substantive objection, the applicant will be notified of the scheduling of a public hearing in writing and may be subject to a fee pursuant to the CRMC Management Procedures.
- e. An objector may withdraw, in writing, his or her objection any time prior to the scheduling of a public hearing. The CRMC will notify the applicant if any substantive objection is withdrawn. If all substantive objections are withdrawn in sufficient time to prevent the notice of a public hearing, the public hearing will not be held, and the CRMC will proceed with a decision on the application.

- f. In cases where the city or town council of a municipality in which a project or activity is proposed files a substantive objection to the proposed project or activity, the Council may establish a subcommittee to review the application. The subcommittee shall make a recommendation to the full Council based upon the application, staff reports, municipal concerns and any public comments received. The Council shall then consider and act upon the application.

4. Public hearings

- a. When necessary, the CRMC will hold public hearings on proposed alterations to wetlands when a request for such hearing is made in accordance with § 2.10(D)(3)(d) of this Part and the CRMC Management Procedures. The purpose of such hearings shall be to elicit comments from the public regarding the impact of the proposed alteration on the functions and values provided by the subject wetland.
- b. Public hearings will be held at a time and place designated by the CRMC.

E. Review criteria (formerly § 10.05)

- 1. The CRMC will evaluate all projects to determine the extent to which the proposed project will have an impact, either individually or cumulatively, upon wetland functions or values as described in this Rule.
- 2. All such projects shall:
 - a. Be subject to all of the review criteria contained herein and must incorporate those best management practices, best available technologies, and any maintenance or inspection schedules necessary to comply with the applicable criteria;
 - b. Not adversely affect any wetland so as to cause any of the impacts identified in § 2.10(E)(3) of this Part below; and
 - c. Shall not result in any random, unnecessary or undesirable alteration of freshwater wetland.
- 3. Before issuing a permit, the CRMC must be satisfied that a proposed project or alteration will not result in:
 - a. Significant reduction in the overall wildlife production or diversity of a wetland;

- b. Significant reduction in the ability of a wetland to satisfy the needs of a particular wildlife species;
- c. Significant displacement or extirpation of any wildlife species from a wetland or surrounding areas due to the alteration of the wetland;
- d. Any reduction in the ability of the wetland to ensure the long-term viability of any rare animal or rare plant species;
- e. Any degradation in the natural characteristic(s) of any rare wetland type;
- f. Significant reduction in the suitability of any wetland for use by any resident, migratory, seasonal, transient, facultative, or obligate wildlife species, in either the short- or long-term as a travel corridor; feeding site; resting site; nesting site; escape cover; seasonal breeding or spawning area;
- g. Any more than a minimal intrusion of, or increase in, less valuable, invasive or exotic plant or animal species in a wetland;
- h. Significant reduction in the wildlife habitat functions and values of any wetland which could disrupt the management program for any game or non-game wildlife species carried out by state or federal fish, game, or wildlife agencies;
- i. Significant reduction in overall current or potential ability of a wetland to provide active or passive recreational activities to the public;
- j. Significant disruption of any on-going scientific studies or observations;
- k. Elimination of, or severe limitation to traditional human access to, along the bank of, up or down, or through any rivers, streams, ponds, or other freshwater wetlands;
- l. Any reduction in water quality functions and values or negative impacts to natural water quality characteristics, either in the short- or long-term, by modifying or changing: water elevations, temperature regimes, volumes, velocity of flow regimes of water; increasing turbidity; decreasing oxygen; causing any form of pollution; or modifying the amount of flow of nutrients so as to negatively impact wetland functions and values;
- m. Any placement of any matter or material beneath surface water elevations or erection of any barriers within any ponds or flowing bodies of water which could cause any hazards to safety;

- n. Significant loss of important open space or significant modification of any uncommon geologic features or archaeological sites that are listed on the National Register of Historic Places or eligible for listing;
- o. Significant modification to the natural characteristics of any wetland area of unusually high visual quality;
- p. Any decrease in the flood storage capacity of any freshwater wetland which could impair the wetland's ability to protect life or property from flooding or flood flows;
- q. Significant reduction of the rate at which flood water is stored by any freshwater wetland during any flood event;
- r. Restriction or significant modification of the path or velocities of flood flows for the 1-year, 10-year, or 100-year frequency, 24-hour, Type III storm events so as to cause harm to life, property, or other functions and values provided by freshwater wetlands;
- s. Placement of any structure or obstruction within a floodway so as to cause harm to life, property, or other functions and values provided by freshwater wetlands;
- t. Any increase in run-off rates over pre-project levels or any increase in receiving water/wetlands peak flood elevations for the 1-year, 10-year, or 100-year frequency, 24-hour, Type III storm events which could impair the wetland's ability to protect life or property from flooding or flood flows;
- u. Any increase in run-off volumes and discharge rates which could, in any way, exacerbate flooding conditions in flood-prone areas;
- v. Significant changes in the quantities and flow rates of surface or groundwater to or from isolated wetlands (e.g., those wetlands without inflow or outflow channels);
- w. Placement of any structural best management practices within wetlands, or proposal to utilize wetlands as a detention or retention facility;
- x. Any more than a short-term decrease in surface water or groundwater elevations within any wetland;
- y. Non-compliance with the Rhode Island Department of Environmental Management "Water Quality Regulations," 250-RICR-150-05-1; or

- z. Any detrimental modification of the wetland's ability to retain or remove nutrients or act as natural pollution filter.

F. Decision on application to alter freshwater wetlands (formerly § 10.06)

- 1. The CRMC shall notify applicants, the applicant's attorney or other designated representative, if any, by first class mail.

G. Permit requirements and conditions (formerly § 10.07)

- 1. Conditions and terms of the Assent may require modification of portions of the project, as described by plans provided by the applicant.
- 2. Plans referenced within the Assent letter shall be stamped "approved with conditions" by the CRMC and shall contain the application number, date of the Assent letter, and signature of an authorized agent of the CRMC.
- 3. A copy of the Assent, the Assent letter and one set of the approved site plans must be maintained at the project site at all times during construction and up to the time of project completion. Prior to commencement of site alterations, the Permittee shall post the Assent which must be maintained at the site in a conspicuous location until such time that the project is complete.
- 4. When required by permit condition, the Assent shall be recorded at the expense of the owner, in the land evidence records of the city or town where the subject property is located. The applicant must submit written documentation to the CRMC from the city or town showing that the Assent was received for recording immediately upon recordation.
- 5. Unless otherwise ordered by the CRMC or renewal of a permit is obtained, or tolled pursuant to R.I. Gen. Laws § 46-23-6.3, all permits are limited to a period of three (3) years from the date of issue and shall expire thereafter. Pursuant to R.I. Gen. Laws § 46-23-6.3, permits pertaining to the development of land that were in effect on November 9, 2009 shall be valid an additional 598 days after the three (3) year period established above and those permits pertaining to the development of land issued between November 9, 2009 and June 30, 2011 shall be valid until July 1, 2014.
- 6. Assent extensions shall be subject to the provisions of the CRMC's Management Procedures.
- 7. The original Permittee or subsequent transferee is required to notify the CRMC in writing prior to the commencement of the work described or referenced in the permit.

8. The CRMC may require the Permittee or subsequent transferee to provide written certification from the appropriate regulated professional attesting to the completion of the approved project that is described or referenced in the permit or on the approved site plans.
- H. Compliance (formerly § 10.08)
1. Any non-compliance with a permit term or condition or these Rules represents a violation of the permit, the Act and these Rules and constitutes grounds for enforcement action by the CRMC.
- I. Appeal of decisions (formerly § 10.09)
1. Any appeal of a CRMC decision shall be conducted in accordance with the CRMC's Management Procedures, Part 10-00-1 of this Title.
- J. (Deleted – Not Applicable) (formerly § 10.10)
- K. Closing of an application (formerly § 10.11)
1. An application to alter freshwater wetlands shall be considered closed under the following circumstances:
 - a. The applicant fails to answer any notification of application deficiency or any request for additional information by the CRMC within a prescribed timeframe.
 - b. A decision of the Council is issued and an appeal of the decision is not filed within thirty (30) days;
 - c. Upon receipt of notification from the applicant that the application has been withdrawn in accordance with these rules and the CRMC's Management Procedures, Part 10-00-1 of this Title.

2.11 Other Application Types (formerly § 11.00)

- A. Application for emergency alterations (formerly § 11.01)
1. An emergency alteration is one that is required to protect the public from imminent harm to its health or safety; and is authorized by the CRMC. Oral approval of an emergency alteration, other than those alterations specified in § 2.6 of this Part, may be granted by the CRMC consistent with the requirements set forth below. Applicants who are not considered an appropriate official of a town, city, state or federal agency or public utility responsible for correcting problems which arise on an emergency basis and pose an imminent threat to the public health and safety should contact the CRMC for consideration of individual emergency situations.

- a. An oral or written request for permission to proceed with an emergency alteration must be made to the CRMC, by the owner of the property or easement where the emergency alteration is proposed or by an appropriate official of a town, city, state or federal agency or public utility responsible for correcting problems which arise on an emergency basis and pose an imminent threat to the public health and safety;
- b. The request must inform the CRMC of at least the following:
 - (1) An explanation of the problem necessitating an emergency alteration;
 - (2) The reason why the problem represents an imminent threat to health and safety;
 - (3) The location of the area in which corrective activity is required;
 - (4) The proposed actions necessary to correct the problems;
 - (5) The person responsible for overseeing the activity, including immediate means of contact; and
 - (6) The means proposed to restore the wetland area following the emergency alteration, as appropriate.
- c. Any emergency alteration undertaken shall not result in a permanent alteration of any wetland, except as allowed for dam safety as approved by the DEM in accordance with the DEM's Rules and Regulations for Dam Safety, 250-RICR-130-05-1. The applicant must, in so far as possible, restore the wetland area to prevent or minimize any permanent alteration. Such restoration must be undertaken in accordance with requirements provided by the CRMC;
- d. Alteration of wetlands shall not exceed work beyond that necessary to abate the emergency;
- e. Unless otherwise informed by the CRMC following its inspection of the site, the applicant must submit an as-built site plan or a plan of restoration to the CRMC no later than forty-five (45) days following the action necessary to correct the emergency problem. The site plan must illustrate the emergency activity undertaken, the wetlands affected, any alteration which resulted from the activity, and all restoration activities undertaken, or which are still required. The required site plan must comply with § 2.7(C) of this Part;

- f. The time limitation for performance of an emergency alteration shall not exceed ten (10) days following initial approval by the CRMC unless written approval for an extension is obtained from the CRMC; and
- g. Following submission of the as-built site plan required in § 2.11(A)(1)(e) of this Part above, the applicant is required to comply with any additional activities necessary to prevent any permanent alteration or to finalize wetland restoration as detailed in writing by the CRMC.

B. Permit extensions (formerly § 11.02)

- 1. Permits may be extended by the CRMC upon written request by the Permittee subject to the provisions specified in Part 10-00-1.5.12 of this Title (CRMC Management Procedures).

C. Application for permit modification (formerly § 11.03)

- 1. Prior to the expiration of a valid permit, a Permittee may apply to the CRMC requesting approval to incorporate minor modification(s) to the originally permitted project. Such modification(s) in all cases may not increase the limits of wetland disturbance previously permitted unless such increases occur in existing paved, lawn, or otherwise developed areas, or increase the anticipated impacts from that previously permitted by the CRMC. Any modifications must be minor in nature in relation to the originally permitted project.
- 2. The application shall be made on a form prescribed by the CRMC and must be completed and submitted with revised plans for the CRMC's review including the appropriate fee. The revised plans submitted with the application shall clearly depict the proposed modification and shall comply with all requirements stipulated in the original application and with these Rules. (See site plan requirements in § 2.7(C) of this Part.).
- 3. In addition to revised plans and appropriate fee, the Permittee must submit a written narrative and any additional data which describes and details the minor changes or modification proposed and the reasons for the modification.
- 4. An Application for Permit Modification will not be approved if, in the opinion of the CRMC, the modification(s): are not minor in nature in relation to the originally permitted project; involve increases of wetland disturbance into vegetated areas not previously evaluated by the CRMC; or increase the anticipated impacts from that previously permitted by the CRMC.
- 5. Following receipt of an application for permit modification, the CRMC may:

- a. Issue a revised permit for the modified project; or
 - b. Inform the applicant that the modifications requested require a new application.
6. The filing of this application shall not stay or modify any time limitation or condition of the permit.

D. Application for permit transfer (formerly § 11.04)

1. Any valid permit issued by the CRMC that has been recorded in the land evidence records of the municipality or municipalities in which the property subject to the permit is located is automatically transferred upon the sale of the property to the new owner.
2. A new owner may complete and submit an application for permit transfer to receive a permit in the new owner's name provided that the following information is submitted:
 - a. A certified copy of the deed of transfer of the property subject to the permit;
 - b. A notarized statement signed by the new owner or authorized individual as required stating that he or she has reviewed the approved plan, the permit letter, and agrees to abide by the conditions of the permit, including the time limits; and
 - c. A completed application form (§ 2.7(A) of this Part) and the application fee (§ 2.7(K) of this Part).
3. The filing of this application shall not stay or modify any time limitation or condition of the permit.

E. Applications relating to farmers (formerly § 11.05)

1. Applications relating to wetland alterations by farmers, except in accordance with § 2.11(E)(5) of this part below, must be submitted by the farmer directly to the DEM's Division of Agriculture and Resource Marketing. The Division of Agriculture and Resource Marketing requires documentation that the activity undertaken is in accordance with the definitions set forth in R.I. Gen. Laws §§ 2-1-22(i) and (ii).
2. Applications shall be in writing and on a form prescribed by the Division of Agriculture and Resource Marketing.
3. The farmer shall include appropriate plans and drawings to a scale of not less than one inch to one hundred feet (1" = 100') with the application. The Division of Agriculture and Resources Marketing requires that submitted

plans, designs and drawings are in accordance with standards set by the United States Department of Agriculture, Natural Resources Conservation Service or these Rules.

4. The Division of Agriculture and Resource Marketing shall review such applications in conformance with R.I. Gen. Laws § 2-1-22(i). Pursuant to this review, the Division of Agriculture and Resource Marketing shall notify the applicant and the CRMC, in writing, whether the proposal is an insignificant alteration. If so, the applicant will be issued a permit by the Division of Agriculture and Resource Marketing.
5. If the proposal is a significant alteration, the applicant must submit an application to alter a freshwater wetland to the CRMC consistent with these Rules.

2.12 Enforcement (formerly § 12.00)

A. Enforcement (formerly § 12.01)

1. As set forth in R.I. Gen. Laws §§ 46-23-7 through 46-23-7.5, the CRMC shall have the power to issue enforcement notices, orders, and requirements to ensure compliance with these Rules.

B. Revocation of permit (formerly § 12.02)

1. The CRMC may revoke permit for noncompliance with or violation of its terms after written notice of intention to do so has been given the holder, and the holder, in return, has been given the opportunity to present evidence to the contrary to the CRMC. Financial hardship on the part of the holder shall not be a defense to the revocation of a permit. The CRMC may also revoke a permit if it finds that the holder or his agent submitted relevant false information to the CRMC.

C. Appeal of enforcement actions (formerly § 12.03)

1. Appeals of any CRMC enforcement action shall be in accordance with R.I. Gen. Laws Chapter 46-23.

D. Consent agreements (formerly § 12.04)

1. In resolution of a contested enforcement action, the CRMC and alleged violator may enter into negotiated settlement discussions. The purpose of such discussions will be to formulate an acceptable resolution of the enforcement action by a consent agreement executed by all parties.
2. As a result of negotiated settlement discussions, a consent agreement may be executed by the parties addressing the disposition of any orders raised in the enforcement action.

3. A consent agreement executed by the parties involved is deemed a final order of the CRMC and is enforceable by resort to Superior Court.

2.13 Public Access to Records (formerly § 13.00)

- A. Information, forms, or other materials related to the Act, these Rules, and actions taken are available at the CRMC. Office hours are 8:30 a.m. to 4:00 p.m. daily except Saturdays, Sundays, and state holidays. As appropriate, an appointment during office hours may be scheduled in advance.
- B. Access to records on file shall be in accordance with R.I. Gen. Laws § 38-2-1 *et seq.* and Part 10-00-1.15 of this Title. A fee shall be required to cover the costs of copying, and may be required to cover the costs of search and retrieval of documents.

2.14 Severability (formerly § 14.00)

If any provision of these Rules or the application thereof to any person or circumstances is held invalid by a court of competent jurisdiction, the validity of the remainder of the Rules shall not be affected thereby.

2.15 Superseded Rules (formerly § 15.00)

On the effective date of these Rules, all previous rules, and any policies regarding the administration and enforcement of the Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast shall be superseded. However, any enforcement action taken by, or application submitted to, the CRMC prior to the effective date of these Rules shall be governed by the rules in effect at the time the enforcement action was taken, or application filed.

2.16 Effective Date (formerly § 16.00)

- A. The foregoing Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast, after due notice, are hereby adopted and filed with the Secretary of State this 28th day of January 2011 to become effective twenty (20) days thereafter, in accordance with the provisions of R.I. Gen. Laws Chapter 46-23, 1956, as amended.
- B. Public Notice issued October 29, 2010
- C. Public Hearing held as part of CRMC regularly scheduled meeting on January 25, 2011

2.17 Appendix 1: Insignificant Alterations

- A. In accordance with § 2.9(C) of this Part, the CRMC may issue a permit for proposed projects submitted under a request for preliminary determination application provided the proposed project represents, in the opinion of the CRMC, an insignificant alteration. The purpose of this section of the Appendix is to allow applicants and the public to determine with some likelihood what, under normal circumstances, represents an insignificant alteration.
- B. The following represent examples of insignificant alterations. However, the applicant should be aware that certain circumstances peculiar to specific wetlands, the surrounding area, site conditions, and the proposed project, may result in a determination by the CRMC that a particular proposal represents a significant alteration and therefore requires filing of an application to alter and a permit from the CRMC. Therefore, even if a proposed project appears to fit within the examples of insignificant alterations in this Appendix, a permit by the CRMC is not implied or guaranteed. In addition, the proponent of a proposed project that fits or appears to fit within the examples of insignificant alterations still must seek a permit from the CRMC through a request for preliminary determination application before proceeding with the proposed project. Further, the proposed project must not result in the disturbance or destruction of any rare species or rare wetland type.
- C. Examples of insignificant alterations include the following:
 - 1. Construction and installation of a single new dock or single detached floats (excluding those regulated under § 1.3.1(D) of this Subchapter) only where:
 - a. The dock is supported by floats or piles, extends perpendicular to the shoreline out to, but not exceeding, twenty feet (20'), and does not exceed six feet (6') in width;
 - b. The float does not exceed one hundred and twenty (120) square feet in area;
 - c. The installation and placement of the dock or float poses no hazard to boating safety or navigation in any body of water including any pond, river, or stream;
 - d. The dock or float is placed no closer than twenty feet (20') to any neighboring property line on land or superficially extending over the waterbody;
 - e. Any new access paths to the dock do not exceed five feet (5') in width, and do not result in fill, road construction, or any other

clearing of the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains for access;

- f. The dock does not extend into or obstruct a floodway; and
 - g. Pilings and/or posts permit reasonably unobstructed flow of water.
2. Minor revisions to residential or small lot commercial or industrial projects already approved by the CRMC only where:
- a. The revised alterations do not expand the area of disturbance any further into wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains so as to negatively affect functions and values; and
 - b. Compensation for loss in flood storage volume is maintained as approved.
 - c. Such projects may include the revised location or configuration of structures, the minor relocation of onsite wastewater treatment systems (consistent with § 2.11(B) of this Part), walls, utility lines, or grade changes.
3. Construction and development activities that are not exempt pursuant to §§ 2.6(E) and (F) of this Part and are within wetland areas already developed for human activity only where:
- a. The area for proposed construction is now occupied by approved or existing buildings, parking or paved area, equipment storage, or materials storage;
 - b. The construction and development does not propose to expand into wetlands which would result in negative effects on wetland functions and values; and
 - c. The applicant complies with all requirements in these Rules associated with changes in runoff, water quality, and flood storage.
 - d. In such projects where a more intensive use of the property is proposed which would result in increases in the level or duration of noise, lighting or other activities which could impact wildlife in adjacent natural wetlands a well-designed buffer zone must be incorporated into the proposed project design and placed between the project and any remaining undeveloped wetland.
4. Minor excavated pond construction (less than one-quarter (1/4) acre for new ponds and re-excavation for existing ponds) only where:

- a. The pond is located mostly adjacent to, or only partially in, any swamp, marsh, or other emergent, shrub or forested wetland;
 - b. All spoils from excavation are removed to an upland location away from all wetlands;
 - c. The construction or re-excavation does not result in the diversion, damming, or diking of any type of watercourse other than surface seepage from groundwater discharges;
 - d. Re-excavation of an area less than 2,500 square feet of existing pond is accomplished for maintenance purposes to remove accumulated inorganic sediments or concentrated areas of problem emergents or aquatic weeds such as tall reed (*Phragmites australis*) or purple loosestrife (*Lythrum salicaria*). The excavation must be limited to concentrated problem areas and must incorporate all proper controls to protect the adjacent wetland environment; and
 - e. The activity does not result in the loss of the only natural vegetated area adjacent to a swamp, marsh, or other emergent, shrub or forested wetland.
 - f. Such projects must either incorporate the use of a well-designed buffer zone to minimize impacts to wildlife, or be sufficiently away from human activity so as to minimize interaction between humans and wildlife.
5. New construction and development of residential homes, commercial or industrial buildings and subdivisions incorporating such construction only where:
- a. The construction and all associated activity is proposed outside of all wetlands (including perimeter and riverbank wetlands);
 - b. The project is designed to meet or exceed, and the applicant's registered professional engineer certifies that the project will meet or exceed, all best management practices to prevent the alteration of freshwater wetland functions and values due to changes in run-off/stormwater flows, water quality, flood storage, and erosion and sedimentation. Best management practices in this case must, at a minimum, address the requirements and recommendations specified in the latest edition of the Rhode Island "Stormwater Management, Design and Installation Rules," 250-RICR-150-10-8, and the Rhode Island Soil Erosion and Sediment Control Handbook.

- c. The project design ensures the protection of all wetland functions and values (e.g., the design does not propose a building or structure at the edge of wetlands without considering the extent of clearing, grading and soil disturbance which may be necessary for equipment access, safety and other normal construction activity and human use needs).
- 6. Utility line or pipe installation where:
 - a. The installation of the line or pipe is taking place within an existing maintained (cut/cleared) utility easement which already contains utility lines or pipes;
 - b. Wetlands existing in the maintained (cut/cleared) existing utility easement are only temporarily altered to install the line or pipe;
 - c. Culverts and the flow of water under bridges in roads or highways are not permanently blocked or disrupted by going under or attaching to such structure;
 - d. The project does not cause any diversion of ground or surface water to or from any wetlands;
 - e. The preconstruction contours are restored immediately upon installation;
 - f. All work in any wetlands in the easement is undertaken during low flow periods;
 - g. All disturbed areas are revegetated after restoring contours; and
 - h. The project design incorporates best management practices for dewatering excavated areas.
- 7. Replacement of existing or approved bridges and culverts other than those exempt pursuant to § 2.6(C)(1)(b) of this Part only where:
 - a. The replacement structure is similar to the existing structure in terms of physical size, invert elevations and flow capacity;
 - b. Soil disturbance and construction activity in flowing water are reduced to the maximum extent possible; and
 - c. The replacement structure accommodates and provides for wildlife passage where applicable.
- 8. Driveway and access road construction over watercourses such as drainage ditches, and areas subject to storm flowage only where:

- a. The watercourse and its adjacent banks are located within heavily developed residential, commercial or industrial areas;
 - b. The driveway or access road is designed only to widths necessary to safely pass vehicles;
 - c. The watercourse is not within another type of wetland such as a swamp, marsh, bog, pond or other emergent, shrub, or forested wetland, special aquatic site, perimeter wetland, or riverbank;
 - d. All culverts are designed to meet the protection requirements of wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions and values as specified in these Rules; and
 - e. All flood displacement issues in these Rules are addressed.
9. Rhode Island Department of Transportation roadway improvements to existing or approved state roads and highways only where:
- a. Alterations are maintained within the existing limits of road or highway slopes and shoulders;
 - b. Drainage patterns are maintained similar to previous conditions and designs; and
 - c. The design incorporates all requirements of these Rules for changes in runoff, stormwater, culvert design, flood control, water quality and sedimentation and erosion controls.
10. Well and water supply line installation for individual residential lots other than those exempt pursuant to §§ 2.6(C)(1)(s) and 2.6(E)(1)(g) of this Part where:
- a. The location of the well and water supply line are maintained outside of any swamp, marsh, pond, bog, special aquatic site, or other emergent, shrub, or forested wetland, river, stream or watercourse;
 - b. Wells and water supply lines installed within a perimeter wetland or riverbank wetland meet other regulatory restrictions in these Rules, and no other feasible upland alternative is available;
 - c. All wetland disturbance needed for access of well drilling equipment and installation of the well and any water supply line is limited to the maximum extent possible; and
 - d. Following installation, the wetland area is revegetated.

2.18 Appendix 2: Specific Criteria for Identifying Wetland Edges

A. Vegetated wetlands

1. The landward edge of vegetated wetlands (i.e., bogs; marshes; swamps; emergent, shrub or forested wetlands; or similar types, including wetland complexes of these types), shall, under normal conditions, be identified as the place where the plant community associated with the vegetated wetland is no longer dominated by hydrophytes/hydrophytic vegetation (i.e., the plant community is composed of less than or equal to fifty percent (50%) hydrophytes/hydrophytic vegetation).
2. Hydrophytes/hydrophytic vegetation includes, but is not limited to:
 - a. Those typical plant species listed in R.I. Gen. Laws §§ 2-1-20(3) "bog", (10) "marsh" and (16) "swamp"; or
 - b. Those plant species listed as having a wetland indicator status of obligate (OBL) according to the most recent edition of the National List of Plant Species That Occur in Wetlands: Rhode Island (National List), as prepared by the U.S. Fish and Wildlife Service; or
 - c. Those plant species listed as having a wetland indicator status of facultative wetland (FACW), facultative (FAC) or facultative upland (FACU) according to the National List, where such plants are present along with other clear hydrologic indicators of wetland.
3. Where no distinct edge is apparent based upon examination of vegetation alone (e.g., the plant community is transitional in nature and dominated by species having an indicator status of FACW, FAC or FACU), other hydrologic indicators must be considered before determining the location of the landward edge of vegetated wetlands. Where such indicators are present, the FACW, FAC, or FACU plant species are considered hydrophytes/hydrophytic vegetation; however, the landward edge of vegetated wetland in such transitional areas is located where other hydrologic indicators are no longer present.
4. Other hydrologic indicators are those characteristics, other than vegetation, which provide evidence that an area is continuously or periodically saturated, inundated, flooded, or ponded; has standing or slowly moving water; or frequently collects surface run-off or drainage. Examples of other hydrologic indicators include, but are not limited to, the following: (Note: Those features followed by an asterisk (*) are valid indicators only when at least one additional hydrologic indicator is present.)

- a. Morphologic features or properties associated with hydric soils in accordance with the most recent version of the Field Indicators for Identifying Hydric Soils in New England.
 - b. Visual observation of soil saturation within twelve inches (12") of the soil surface (considering both seasonal and recent weather conditions);
 - c. Distinct water marks on vegetation or other fixed objects;*
 - d. Sulfidic materials (H₂S – rotten egg odor) within twelve inches (12") of the soil surface;
 - e. Mound and pool microtopography;*
 - f. Patches of peat mosses (*Sphagnum* spp.)
 - g. Soil morphologic evidence of recent or periodic flooding (e.g., stratification associated with flood plains);*
 - h. Visual observation of surface inundation (considering both seasonal and recent weather conditions);*
 - i. Dark or water-stained leaves on the ground surface;*
 - j. Drift or wrack lines of water-borne materials; *
 - k. Wetland drainage features or patterns such as scoured channels;*
 - l. Morphological plant adaptations (e.g., buttressed trees trunks, adventitious roots, exposed or shallow root systems);*
 - m. Distinct or prominent pore linings (oxidized rhizospheres) along live roots within twelve inches (12") of the soil surface.*
5. For purposes of locating and identifying the edge of vegetated wetlands for applications submitted to the CRMC, the CRMC will accept the methodology described and incorporated within the Corps of Engineers Wetlands Delineation Manual, Technical Report Y - 87-1, January, 1987, Prepared for: Department of The Army, U.S. Army Corps of Engineers, (Corps) in addition to the Corps' September 9, 1991 regulatory guidance letter regarding Guidance for the Interpretation of Wetland Boundaries Using the 1987 Corps Manual in the Six New England States under the following conditions:
- a. The use of this methodology is intended to facilitate the location and identification of the edge of "vegetated" wetlands, but must not be interpreted as redefining wetlands regulated under the Act and

these Rules. For example, the area of land within fifty feet (50') of any bog; marsh; swamp; or pond is a regulated wetland according to R.I. Gen. Laws § 2-1-20(4); however, the Manual, for purposes of Section 404 of the Clean Water Act, will refer to these areas as "nonwetlands."

- b. All edge locations and delineations are subject to the CRMC's review and acceptance under the procedures set forth in § 2.8(B) of this Part for requests to determine the presence of wetlands. Accordingly, all requests to verify the edge of these types of wetlands will require on-site inspection and analysis.
 - c. Areas discovered during the delineation of freshwater wetlands which appear to have altered conditions (e.g., removal of vegetation, ditching, draining, filling or other alterations that have changed or appear to change normal conditions) must be documented.
- B. Perimeter wetlands. The edge of perimeter wetlands shall be identified as the line fifty feet (50') from the landward edge of any bog, marsh, swamp, or pond.
- C. Flowing and standing water wetlands
 - 1. The edge of rivers, streams, intermittent streams, ponds, special aquatic sites, areas subject to storm flowage, areas subject to flooding and other areas dominated by open or flowing water shall be identified as follows:
 - a. The edge of rivers, streams, intermittent streams, ponds, special aquatic sites, areas subject to storm flowage, areas subject to flooding and other areas dominated by open or flowing water shall be the ordinary high water mark of standing or flowing water. The ordinary high water mark is the line separating land flooded at high water and land exposed at high water. This line may be determined and documented by using recorded hydrologic data (e.g., data obtained from site specific planning and design documents; in-stream flow studies; stream gauge data; the CRMC's file data; or flood data), or, in the absence of these, by observing physical characteristics, such as evidence of a clear demarcation line between terrestrial and aquatic conditions as a result of standing or flowing water; shelving; permanent watermarks and stains on woody vegetation or other fixed objects, such as bridges, stones, walls, docks, or piers; changes in the character of the soil; the presence of water-borne natural litter and debris; evidence of surface scouring; or other appropriate means.

- b. The edge of any pond and incoming or outgoing flowing body of water shall be that location where characteristics associated with a lentic ecosystem and a lotic ecosystem are both present.
- D. Riverbank wetlands. The edge of riverbank wetlands along a river, stream, intermittent stream, or flowing body of water shall be determined by the method described herein:
 - 1. The CRMC may compile designated riverbank widths for flowing water body segments and maintain this information on file. Such designations shall be based upon currently available maps, aerial photographs, observations, and past determinations by the CRMC. All applicants may consult with the CRMC regarding the availability of designated riverbank widths along any flowing bodies of water segments in the project area. If a riverbank width has been determined by the CRMC, this designation can be used to preclude the need for the applicant to undertake field measurements or observations.
 - 2. When designated riverbank widths are not available, the identification and assignment of a riverbank width shall, if the width is not obvious, be conducted using the following method:
 - a. The width of the flowing body of water shall be measured along the channel's length at a minimum of five (5) locations upstream and at a minimum of five (5) locations downstream from a measured midpoint within the project area or area of concern.
 - (1) The measurements shall be taken at the midpoint, and at approximately equal intervals along the channel's length with the minimum distance between intervals not less than twenty feet (20') and the maximum distance between intervals not exceeding fifty feet (50').
 - (2) The midpoint of the measurements shall be near the midpoint of the project area or area of concern.
 - (3) The measurements shall be taken between the edges of the flowing body of water or channel as delineated according to § 2.18(C)(1)(a) of this Part above.
 - (4) All measurements shall be taken at locations that are representative of the water body segment, must be documented as to the locations, and must be able to be reproduced. Measurements taken at any human-induced restrictions which are less than the natural conditions or within sections of the flowing body of water subject to unauthorized alterations are not applicable or acceptable.

- b. The arithmetic average or mean of the channel width measurements shall serve as the average channel width for the purposes of assigning riverbank. The mean shall be calculated using the formula:

$$\frac{X1 + X2 + \dots + Xn}{n}$$

n

where "X" equals each channel width measurement and "n" equals the number of measurements.

- c. When the mean channel width is less than ten feet (10'), the riverbank wetland shall be one hundred feet (100'). When the mean channel width is ten feet (10') or more, the riverbank wetland shall be two hundred feet (200').

E. Flood plain wetlands. The edge of any flood plain shall be identified as the maximum horizontal extent of flood water which will result from the statistical 100-year frequency storm event.

1. The 100-year flood plain elevation shall be determined by the most recently available flood profile data prepared under the National Flood Insurance Program of the Federal Emergency Management Agency (FEMA); or
2. In the event that FEMA flood profile data are unavailable, or if the applicant disagrees with the data, the flood plain edge shall be determined by engineering calculations completed by a registered professional engineer. These calculations shall be:
 - a. Based upon a widely accepted hydrologic and hydraulic model (e.g., HEC-RAS). The applicant must demonstrate that the selected model is appropriate for the determination; and
 - b. Based upon a design storm of at least seven inches (7") of precipitation in twenty-four (24) hours (a Type III rainfall as defined by the National Weather Service).
3. The flood plain edge must coincide with the flood plain elevation and topographic contour elevations as depicted on submitted plans. Transposing flood boundaries from FEMA maps by using horizontal scaling is not acceptable for plans submitted to the CRMC. Identification of the 100-year flood elevation must be expressed in North American Vertical Datum (NAVD 1988) as related to Mean Sea Level.

650-RICR-20-00-2

TITLE 650 - COASTAL RESOURCES MANAGEMENT COUNCIL

CHAPTER 20 - COASTAL MANAGEMENT PROGRAM

SUBCHAPTER 00 - N/A

PART 2 - COASTAL RESOURCES MANAGEMENT PROGRAM-RULES AND
REGULATIONS GOVERNING THE PROTECTION AND MANAGEMENT OF
FRESHWATER WETLANDS IN THE VICINITY OF THE COAST

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