

APPLICATION FOR MARINE DREDGING AND ASSOCIATED ACTIVITIES SUBMITTAL CHECKLIST

To be accepted as complete, an application to dredge in the marine waters of the state and/or to dewater, dispose or make beneficial use of dredged material must include the information listed below.

A completed and signed Application to Dredge in Marine Waters and Associated Activities

8 copies of the proposed project site plan(s), including all applicable information as identified in this checklist

FOR ALL PROJECTS, SITE PLANS MUST INCLUDE THE FOLLOWING INFORMATION:

- All site plans must be at least 8-1/2" x 11" in size but no larger than 24" x 36" with a minimum scale of 1" = 50' (if plans larger than 8-1/2" x 11" are utilized, one set of plans reduced to 8-1/2" x 11" are also required)
- The (one) datum for the project
- All site plans containing more than one (1) sheet must be numbered consecutively
- All site plan markings must be permanently fixed
- A title block, the original date and latest revision date of the plan. The title block must include the name of the applicant, the proposed project title, the principal street/road abutting the site, the Tax Assessor's plat and lot number(s), the city/town where the proposed project is located, the name of the plan preparer and the plan scale
- The stamp of the professional affixed to each sheet prepared, along with the date and signature of the professional
- A Plan Scale with graphic scale, if plans are reduced
- A magnetic North arrow
- A legend explaining all markings and/or symbols
- The entire property boundary outline and dimension
- A locus using a USGS quadrangle map
- All streets and rights of way within 50 feet of the property lines of the proposed activity with fixed reference points including utility poles, house numbers, stone walls, bulkheads, buildings, edge of woods/fields, trails, parking areas, above and underground utilities, existing and proposed drainage structures and any other infrastructure on-site or within 50 feet of the property lines(s)
- Delineation of all surface water bodies including all freshwater and coastal wetland jurisdictional areas of the DEM, CRMC and ACOE within 100 feet of the property lines of the project
- Any jurisdictional area that extends beyond the property line must be shown for 100 feet beyond the property line
- The location of all sediment sampling points, conducted pursuant to the approved Sediment Sampling Plan
- Mean high and mean low water elevations
- The location of in-water structures, such as docks, piers, floats, moorings, etc. within 100 feet of the property
- The location of federal navigation projects, such as channels, anchorage areas, etc.
- Cross sectional views in two directions of the area to be dredged, including existing and proposed contours with a maximum spacing of 200'

- The location and detail of the proposed disposal area, including the geographic extent of filling
- Cross sectional plans of the proposed disposal area showing existing bottom contours and those that will result from disposal activities and the datum used to establish all grades and depths
- The location and dimensional area of the proposed dewatering and settling basins and storage and staging areas
- A detail of the existing and proposed conditions and topography at two-foot intervals and extending 50 feet beyond the property lines
- The proposed limits of disturbance at the dewatering location, including all sides slopes of the dewatering area, any stock pile area, and construction vehicle access and storage
- The location of any pier or dock proposed for transfer or off-loading of dredged material from scows to land and their position relative to the dredge site and the proposed dewatering location, including certification by a registered professional that such facilities are adequate for the proposed purpose
- All access roads to be utilized by trucks for offloading, transferring or removing dredged material to the dewatering location(s)
- Verification that the proposed dewatering location is not within any area prohibited in Section 5.4 of the Dredge Rules
- The groundwater and surface water classification(s) for the proposed dewatering location(s)
- The zoning designations and FEMA limits and elevations for the dewatering location
- Cross-sectional views of the dewatering, settling and storage basins including details of the berms, overflow and outlet weirs
- All runoff collection systems associated with the proposed basins and any point source discharge locations
- All temporary and permanent stormwater and water quality management controls and Best Management Practices
- The location of the disposal/beneficial use area, including an area 100 feet beyond the proposed limits of disposal/beneficial use
- A detail of the existing and proposed site conditions, including contours at two-foot intervals
- Cross sections of the upland disposal/beneficial use area in two directions, at 200' maximum spacing
- The groundwater classification of the dewatering and disposal/beneficial use areas and verification that the dredged material disposal/beneficial use location is not within areas prohibited in Section 5.4 of the Dredge Rules
- The location of points of groundwater use within 1750 feet of the dewatering and disposal or beneficial use location, or, if disposal or beneficial use is proposed within 200 feet of mean high water, points of groundwater use within 400 feet of the disposal/beneficial use location
- The edge and name of any river, perennial or intermittent stream, swamp, marsh, bog; pond, and emergent, submergent, shrub or forested wetland, or any special aquatic site
- The edge of any fifty-foot (50') perimeter wetland and any one hundred foot (100') or two hundred foot (200') riverbank wetland
- The edge and elevation of any flood plain and the limit of any floodway (*an exception may be allowed when pre-determined 100-year flood elevations are not available from published sources including previous engineering studies, and a registered Professional Engineer provides clear and convincing evidence that the project site is above any probable 100-year flood elevation*)

FOR DREDGING ACTIVITY, THE FOLLOWING INFORMATION IS REQUIRED:

- The analytical results of the sampling conducted pursuant to the Sediment Sampling Plan
- A narrative description of the proposed dredging method, type of dredging equipment to be used, and an estimate of the length of time (proposed starting and completion dates) necessary to complete the dredging project. Depending on the size, location and complexity of the project, an evaluation of the impacts to fishery resources including migratory and spawning behavior and habitat, and the presence of early life stages of particular sensitivity may be required. Dredging projects proposed outside the standard dredge window may require the submission of additional resource information
- A narrative description and location of aquatic resources in the area to be dredged such as shellfish beds, eel grass beds, spawning areas and migratory pathways for finfish, and other aquatic resources
- The proposed depth of dredging and the datum used to reference all grades and depths
- Stamped calculations performed by a Professional Engineer, verifying the estimated volume of material to be dredged

FOR IN-WATER DISPOSAL OF DREDGED MATERIALS, THE FOLLOWING INFORMATION IS REQUIRED

- A narrative description of aquatic resources in the proposed disposal area, including shellfish beds, eel grass beds, migratory pathways for finfish, breeding or nursery areas and any other aquatic resources
- Information on the past history of the proposed disposal area, including but not limited to, prior disposal activity, historical spills and analytical test data
- An Alternatives Analysis describing alternatives to the proposed disposal location that were investigated in accordance with and as required by the federal 404 (b)(1) guidelines
- A narrative description of how the dredged material will be deposited at the proposed disposal location, including the frequency and quantity of each disposal event, anticipated sequencing or staging activities, and measures to control dispersion
- An evaluation of the impact of the dredged material on the physical, chemical and biological components of the aquatic environment, following the tiered approach for evaluating in-water disposal options as presented in the guidance documents referenced in Section 7.5 of the Dredge Rules. This analysis may include, but is not limited to, a numerical mixing model using elutriate data in order to evaluate the dispersion of contaminants throughout the water column, as required to predict the contaminant concentrations present in the water column after consideration of mixing in order to determine compliance with water quality standards
- A plan for monitoring water quality impacts from the disposal activities, as coordinated with RIDEM, ACOE, and CRMC, as applicable
- Applications that propose in-water disposal of dredged material at a federally-approved designated disposal location, must include information as required in Sections 10.1.4-5 and 10.1.7 of the Dredge Rules

FOR DEWATERING OF DREDGED MATERIAL, THE FOLLOWING INFORMATION IS REQUIRED:

- A description of handling techniques of the dredged material (i.e. stockpiling, transporting, etc.)
- The method of transport to the dewatering location (*for upland disposal*) and the disposal/beneficial use area

- Consistency of the proposed project with the beneficial use and disposal priorities for dredged material management established in the R.I General Laws, Chapter 46-6.1-2 and with the dredging plan adopted by the Council pursuant to Section 46-6.1-5
- A detailed estimate of the time frame required for each aspect of the dewatering process, which includes receiving, handling, dewatering and transferring dredged material to the final disposal location(s)
- The estimated volume capacity calculations for the proposed dewatering, settling and storage basins and staging areas
- Identification of the proposed material handling methods (i.e. hydraulic or mechanical) and an estimate of the proposed volume of runoff water expected from the material
- A Sediment and Erosion Control Plan, describing all aspects of the material transfer and all temporary and permanent erosion and sediment controls
- A description of the proposed methods to be used to reduce material losses when offloading the dredge scows
- The proposed method of collecting stormwater runoff from any storage areas and directing it to the settling basins for treatment
- Certification by a Professional Engineer that all adjacent structures (within 25 feet of the limit of disturbance) have the capacity to withstand the proposed dredging/dewatering operations and that the stability has been investigated and will not be effected
- If the applicant for the dredging project is not the owner of the proposed dewatering location(s), documentation of the owner's permission and knowledge of the estimated volume of dredged material to be dewatered on his/her property

FOR UPLAND DISPOSAL/BENEFICIAL USE OF DREDGED MATERIAL, THE FOLLOWING INFORMATION IS REQUIRED:

- Analytical results of dredged material sampling conducted pursuant to Section 7.4 of the Dredge Rules, where applicable
- The method of placement of dredged material, including access points and any disturbance placement may cause
- Stamped calculations performed by a Professional Engineer with experience in dredged material handling, verifying the volume capacity of the disposal or beneficial use location
- A Sediment and Erosion Control Plan, describing all aspects of the material transfer at the site and all temporary and permanent erosion and sediment controls
- If the applicant for the dredging project is not the owner of the proposed disposal/beneficial use location(s), documentation of the owner's permission and knowledge of the estimated volume of dredged material to be disposed/beneficially used on his/her property

FOR UPLAND DISPOSAL PROJECTS THAT MAY IMPACT FRESHWATER WETLANDS UNDER THE JURISDICTION OF THE DEPARTMENT, THE FOLLOWING INFORMATION IS REQUIRED (*unless a valid RIDEM Freshwater Wetlands Permit for the disturbance and other activities affecting wetlands at the site has been issued and no changes are proposed*)

- A demonstration that impacts to freshwater wetlands have been avoided to the maximum extent possible. If impacts cannot be avoided, a demonstration that all alternatives to the proposed disposal/beneficial use which would not alter the natural character of the wetlands were considered and cannot be accomplished, and that impacts have been minimized to the maximum extent possible, pursuant to Appendix B of the Dredge Rules

- Where changes to existing grades are proposed, the plan must show both existing and proposed contour line elevations at maximum intervals of two (2') feet. Where no changes to grades are proposed, a notation which so indicates must be provided
- Profiles and/or cross sections drawn to scale
- The proposed limits of all vegetative clearing and surface or subsurface disturbance
- All temporary and permanent erosion and sediment controls
- All temporary and permanent stormwater, flood protection and/or water quality management controls and Best Management Practices
- Proposed measures to conduct, contain or otherwise control the movements of surface water, groundwater, or stormwater flows, and the ultimate destination of such flows
- Construction activities either above or below the land surface which may affect any wetland including the height of planned buildings

FOR DREDGED MATERIAL REHANDLING, THE FOLLOWING INFORMATION IS REQUIRED:

- Identification of any existing or pending land use restrictions at the proposed rehandling facility location(s)
- Any information available on historic land use that may have impacted the site, including past spills or known contamination events, and a demonstration that the rehandling facility will not exacerbate those conditions
- A demonstration that the siting of the rehandling facility complies with the General Provisions and Criteria for Sites Proposed for Upland Disposal or Beneficial Use of Dredged Material in Section 5.4, and Section 9.2 and 9.3, respectively
- All existing and proposed private drinking water wells within 2000 feet
- All existing and proposed infrastructure, including roadways, surface and subsurface utilities, and sewer and sanitary lines
- All existing and proposed surface and/or subsurface drainage systems and water quality structures
- The proposed locations of loading and unloading areas and processing, tipping, sorting, and treatment areas
- Cross section plans of all proposed storage basins, berms, and any proposed structures
- Proposed sedimentation and erosion controls
- Proposed weighing facilities (if any)
- On-site traffic patterns
- Proposed landscaping
- A Facility Operating Plan, pursuant to Section 12.4.5 of the Dredge Rules