

**571—54.5 (461A) Aquatic plants.** This rule applies to the introduction and removal of plants in public waters as those waters are defined by rule 571—13.2(455A,461A,462A). For purposes of this rule, aquatic plants are those listed in subrule 54.5(6) and include vegetation that exists at or below the ordinary high water line of a waterway.

**54.5(1) Permits.** The department may issue permits for the introduction and removal of aquatic plants in public waters. To be considered for a permit under this rule, applicants shall use the department's application form for sovereign lands construction permits, as described in rule 571—13.9(455A,461A,462A), and shall complete all relevant information on that application form. Applicants shall also provide any additional information as may be necessary, as described in rule 571—13.10(455A,461A). The term of the permit shall be stated in the permit. Permits are nontransferable and shall be subject to reevaluation upon expiration. Permits may be issued for between one and five years.

**54.5(2) Evaluation.** The department shall evaluate all permits sought under this rule in accordance with the evaluation criteria enumerated in rule 571—13.6(455A,461A,462A). In addition, the department shall consider the following criteria:

*a.* For aquatic plant introduction:

(1) Unless otherwise approved by the department, all introduced plants shall be included in the list provided in subrule 54.5(6);

(2) Introduced plants shall not include cultivars;

(3) Plants shall be introduced for the purposes of preventing shoreline erosion, stabilizing bottom sediment, providing fish or wildlife habitat, or removing nutrients from the water;

(4) Plants shall be thoroughly rinsed away from the water into which they are being introduced prior to being transported to the site if the plants have not been cultivated on site in a manner to prevent any foreign nonplant or seed material from entering the water prior to introduction; and

(5) Plants shall be obtained from a seed source that is within 50 miles of the introduction area and from stocks of only cultivated material (i.e., material that has not been taken from natural areas) or from a source that is approved by the department. Approval for a seed source may be sought from the department by contacting the area fisheries management biologist.

*b.* For aquatic plant removal:

(1) The plants shall be removed by hand-cutting, hand-pulling, hand-raking or mechanical cutting only;

(2) The plants shall be removed to establish a designated travel lane from a boat dock that has been permitted in accordance with 571—Chapter 16. Such travel lane shall not exceed a 15-foot width, and the placement of such lane shall be subject to the review and approval of the department. A travel lane allowed under this rule may be in the same location during the term of the permit, may be sited by the department to accommodate vegetation, and may not necessarily be the most direct path from the dock to the open water area; and

(3) All plant material removed under the permit must be left in place or collected and composted on the land owned, leased or otherwise subject to use by the applicant that is adjacent to the removal area.

Unless otherwise provided by this rule, in no event may a person be allowed to apply chemicals including, without limitation, pesticides or herbicides to remove aquatic plants from public waters. For nonpublic waters that meet certain designations in 567—Chapter 66, a person may be required to seek a permit under the rules established herein to use pesticides.

**54.5(3) Inspection requirements.** For the purpose of inspecting for compliance with permit conditions, the department shall have the right to enter the property attached to the public water at or near the place of introduction or removal. This inspection shall include, without limitation, identification of introduced species; a determination as to whether the travel lane is being maintained in accordance with the permit conditions; and whether plant material, if removed, is left on site.

**54.5(4) Violations.** Persons in violation of this rule are guilty of a simple misdemeanor as described by Iowa Code section 461A.57.

**54.5(5) Exceptions.**

*a.* Activities accomplished by the department or its agents to introduce or remove aquatic vegetation in public waters shall be deemed appropriate and shall not be subject to the permit requirements of this rule provided the activity is in the public interest and the activity does not constitute one of the prohibited activities described in 571—subrule 13.6(2).

*b.* Cities and counties in Iowa may use chemicals, including pesticides and herbicides, to remove aquatic vegetation from water intake structures. However, such cities and counties shall be required to obtain a permit under this rule and rules in 567—Chapter 66, as may be required, for such activities.

*c.* Aquatic vegetation located in public waters may be removed by persons without a permit under this rule only after the department, in its sole discretion, determines and evidences in writing that a hazard or other detrimental condition exists and the proposed mitigative activity is appropriate. Such activity shall be limited only to the work required to address the immediate hazard or other detrimental activity. Any removal allowed by this rule shall conform to the requirements enumerated by the department regarding such removal, or the removal shall be deemed an unauthorized action resulting in damage to public waters. Persons proposing to remove hazards must contact a local department official and request an exception to a permit. The department official shall inspect the hazard or detrimental condition and provide written authorization to proceed or shall require the person to apply for a permit under this rule.

**54.5(6) Appropriate plants.** The department is committed to maintaining the natural integrity of public waters in the state and strengthening native populations of vegetation and wildlife in those waters. To that end, the following table comprises the plants that may be permitted to be introduced into public waters:

Scientific Name	Common Name
<i>Acorus americanus</i>	Sweet Flag
<i>Alisma plantago-aquatica</i>	Water Plantain
<i>Asclepias incarnata</i>	Marsh Milkweed
<i>Bidens cernua</i>	Nodding Beggars Ticks
<i>Bidens coronata</i>	Tickseed Sunflower
<i>Brasenia schreberi</i>	Water Shield
<i>Calamagrostis canadensis</i>	Blue Joint Grass
<i>Caltha palustris</i>	Marsh Marigold
<i>Carex atherodes</i>	Wheat Sedge
<i>Carex comosa</i>	Longhair Sedge
<i>Carex cristatella</i>	Crested Sedge
<i>Carex hystericina</i>	Bottlebrush Sedge
<i>Carex lacustris</i>	Hairy Sedge
<i>Carex normalis</i>	Greater Straw Sedge
<i>Carex pellita</i>	Wooly Sedge
<i>Carex prairea</i>	Prairie Sedge
<i>Carex scoparia</i>	Broom Sedge
<i>Carex stipata</i>	Awlfruit Sedge
<i>Carex stricta</i>	Upright Sedge
<i>Carex tribuloides</i>	Blunt Broom Sedge
<i>Carex vulpinoidea</i>	Fox Sedge
<i>Ceratophyllum demersum</i>	Coontail
<i>Eleocharis acicularis</i>	Needle Spikerush

<i>Eleocharis obtuse</i>	Blunt Spikerush
<i>Elodea canadensis</i>	Canada Waterweed
<i>Eupatorium perfoliatum</i>	Boneset
<i>Glyceria striata</i>	Fowl Manna Grass
<i>Iris versicolor</i>	Blue Flag Iris
<i>Juncus dudleyi</i>	Dudley's Rush
<i>Juncus torreyi</i>	Torrey's Rush
<i>Leersia oryzoides</i>	Rice Cutgrass
<i>Lobelia siphilitica</i>	Great Lobelia
<i>Lysimachia ciliate</i>	Fringed Loosestrife
<i>Lythrum alatum</i>	Winged Loosestrife
<i>Muhlenbergia mexicana</i>	Leafy Satin Grass
<i>Muhlenbergia racemosa</i>	Marsh Muhly
<i>Nymphaea tuberosa</i>	White Water Lily
<i>Poa palustris</i>	Fowl Bluegrass
<i>Polygonum amphibium</i>	Water Smartweed
<i>Pontederia cordata</i>	Pickernelweed
<i>Potamogeton nodosus</i>	Longleaf Pondweed
<i>Ranunculus secleratus</i>	Cursed Crowfoot
<i>Sagittaria latifolia</i>	Broadleaf Arrowhead
<i>Schoenoplectus acutus</i>	Hardstem Bulrush
<i>Schoenoplectus fluviatilis</i>	River Bulrush
<i>Schoenoplectus tabernaemontani</i>	Soft-Stem Bulrush
<i>Scirpus atrovirens</i>	Green Bulrush
<i>Sparganium eurycarpum</i>	Giant Burreed
<i>Spartina pectinata</i>	Prairie Cord Grass
<i>Stuckenia pectinatus</i>	Sago Pondweed
<i>Typha latifolia</i>	Broadleaf Cattail

In addition, an applicant may propose, as part of the application, species that do not appear on this list, which the department will consider. The department's consideration of species not on this list will be based on the commitment described above as well as the potential impact of the proposed species to the public water and ecosystem.

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