

Instructions for Posting Chemically Treated Areas in Public Waters

General Instructions:

All chemically treated areas in public waters must be posted with “NOTICE” signs before treatment. The signs, which are provided free by the DNR with your permit, inform the public that the treatment has occurred and list water use restrictions. Water use restrictions for aquatic labeled pesticides are usually found on the product’s label under the heading “**Environmental Hazards.**” A list of commonly used aquatic labeled herbicides is included with these instructions. If the pesticide you plan to use does not appear on this list, contact the DNR’s Ecological Services Office (651-259-5100) before using the product.

The signs must be filled out and signed by whomever is doing the work. This may be the property owner or a commercial applicator. The permit holder is also responsible for sign placement and removal. Fill out the signs using an indelible or water proof marker and please **print legibly. Do not abbreviate product names.** Signs must remain in place until all water use restrictions have expired. If the product used has no water use restrictions the aquatic plant management rules require the signs remain in place for 24 hours. It is also strongly recommended that you inform your neighbors before treating. It is very important to read the entire product label prior to its use.

Sign Placement:

Localized treatments: The purpose of posting the treated area is to prevent human exposure or property damage (e.g. watering flower or vegetable gardens) by using the water before the use restrictions have expired. The rule specifies that the “treatment area must be posted in such a way that people entering from any direction can see the signs.” **At a minimum there should be a sign facing along shore at each end of the treatment area, and a sign facing lakeward and another facing inland every 100 feet.** Thus, a 100-foot treatment area would need six signs: one for each end perpendicular to the shoreline, one for each end parallel to shore facing lakeward and another for each end, placed parallel to the shore but facing inland. The method of mounting signs is up to the permittee. The DNR recommends stapling two signs back-to-back on a standard four foot lath; also, staple the signs together at the corners. Signs posted on laths are easier to see than signs posted on trees or docks.

Print legibly: Legibility of signs has long been a problem and can represent a human health issue. Use an indelible or permanent marker, preferably black, to fill out the signs. Do not abbreviate herbicide and algicide names. For the signs to be of value they must be legible so that if human or animal exposure does occur, the necessary information can be expressed to the appropriate medical personnel.

Lakewide treatments: When lakewide treatments are made for plankton algae control, posting the entire lakeshore is not necessary. Nevertheless, all property owners around the lake must be notified before treatment. In addition, all public access areas, such as shoreline next to parks, swimming beaches, boat ramps, and marinas must be posted so that persons using the lake are notified of the treatment.

Required information: Signs must contain the following information:

1. Date of treatment.
2. Name of the product(s) used.
3. Your permit number.
4. Water use restrictions (usually in days) from the products label expressed as the date



when the use restriction expires.

- The name of the person or company applying the product.

If more than one product is used at the same time, list the longest restriction for the pesticides used.

Water use restrictions: Aquatic labeled pesticides may have water use restrictions listed on the product's label. They may restrict using the treated water for activities like taking fish for consumption, swimming, irrigation, livestock watering, drinking water, or domestic uses. When applying pesticide to a lake, it is the applicators responsibility to inform others using the lake of the treatment and any water use restrictions that may apply. Water use restrictions are generally given as certain number of days after application of the herbicide that you should refrain from the specified activity, they can generally be found under the "Environmental Hazards" heading on the products label.

If you have questions regarding filling out the sign or sign placement you may call your aquatic habitat specialist (see application instructions for phone numbers) or the Division of Ecological Services (651-259-5100).

Lake Name _____	D.O.W. _____
<h1>Notice</h1>	
This area was chemically treated on _____, 20____ with _____ <small>name of chemical</small> permit no. _____ issued by Minnesota Dept. of Natural Resources	
SWIMMING	<input type="checkbox"/> No restriction.
<input type="checkbox"/> Do not swim until _____	
DRINKING WATER	<input type="checkbox"/> No restriction.
<input type="checkbox"/> Do not drink water until _____	
DOMESTIC USES	<input type="checkbox"/> No restriction.
<input type="checkbox"/> Do not use water for drinking or any other domestic purposes until _____	
FISH CONSUMPTION	<input type="checkbox"/> No restriction.
<input type="checkbox"/> Do not take fish from the treated area for food or feed until _____	
IRRIGATION	<input type="checkbox"/> No restriction.
<input type="checkbox"/> Do not irrigate food crops until _____	
<input type="checkbox"/> Do not irrigate turf & ornamentals until _____	
LIVESTOCK WATERING	<input type="checkbox"/> No restriction.
<input type="checkbox"/> Do not water livestock until _____	
	Treated By: _____
	

A list of commonly used herbicides registered by the EPA for aquatic use and approved by the MN DNR.

Product Name	Selective	Broad Spectrum	Active Ingredient (Formulation)
<u>Part 1. Aquatically labeled systemic herbicides.</u>			
Aquacide (Pellet)	X		2,4 Dichlorophenoxyacetic Acid (Sodium Salt)
Navigate® (Granular)	X		2,4 Dichlorophenoxyacetic (Butoxyethyl Ester)
Aqua-Kleen (Granular)	X		2,4 Dichlorophenoxyacetic (Butoxyethyl Ester)
Sonar™ (Liquid or Granular)	X		Fluridone
Rodeo (Liquid)		X	Isopropylamine salt of Glyphosate
Aqua Master (Liquid)		X	Isopropylamine salt of Glyphosate
Aqua Neat		X	Isopropylamine salt of Glyphosate
Aqua Pro		X	Isopropylamine salt of Glyphosate
Garlon-3A	X		Triclopyr
Habitat		X	Isopropylamine salt of Imazapyr <i>(licensed applicator only)</i>
<u>Part 2. Contact Herbicides.</u>			
Aquathol (Liquid or Granular)		X	Dipotassium salt of endothall
Hydrothol 191 (Liquid or Granular)		X	Mono-amine salt of endothall <i>(liquid by licensed applicator only)</i>
Reward (Liquid)		X	Diquat dibromide <i>(licensed applicator only)</i>
<u>Part 3. Copper Compounds (Algaecides and Herbicides).</u>			
Citrine Plus (Liquid or Granular)	X (A)		Copper-Ethanolamine complex
Komeen (Liquid)	X (H)		Copper-Ethylenediamine complex
K-Tea	X (A)		Copper-Triethanolamine complex
<u>Part 4. Other.</u>			
Copper sulfate	X (A)		CuSO4 (at least 2 aquatic labeled products)
Aquashade (Liquid)		X	Acid Blue 9 / Acid Yellow 23 (Filters light in wavelengths required for plant growth)
Green Clean	X (A)		Sodium carbonate peroxyhydrate