



April 4, 2018

Tom Hinchliffe
Long Lake Preservation Association
W432 Clement Circle
Campbellsport WI 53011

Subject: 2018 Permit to Chemically Treat Aquatic Plants in Long Lake, Fond du Lac County

Dear Association Members:

The Department has received and reviewed your application to chemically treat up to 20.6 acres of curly-leaf pondweed in Long Lake in Fond du Lac County. Your permit application meets the minimum requirements by law and a permit is being issued with the following conditions.

PERMIT CONDITIONS

- 1.) This permit is for the use of liquid Endothall for Curly-leaf pondweed control only. This approved permit implements your approved lake management plan.
- 2.) To assure the chemical has adequate contact time with the target species, treatment must be completed when current and forecasted wind speeds for at least 6 hours following treatment are minimal (preferably <5 mph) and inflow from the two tributaries are as minimal as possible.
- 3.) Treatments must be completed as early in the season as possible to minimize negative impacts to native plants and spawning fish.
- 4.) All boat landings and access points on Long Lake must be posted prior to treatment. Pesticide application warning sign postings must be visible from both the water and shore per NR 107.08(7)(a).
- 5.) You must notify Mary Gansberg of the Department of Natural Resources at 920-662-5489 at least 4 working days prior to treatment.

Please feel free to contact me at 920-662-5489 or by e-mail at mary.gansberg@wisconsin.gov

Sincerely,

A handwritten signature in purple ink that reads 'Mary Gansberg'.

Mary Gansberg
Water Resources Management Specialist

Enclosures

cc: Aquatic Biologists, Inc. N4828 Hwy 45S, Fond du Lac, WI 54937
Addie Dutton - DNR Fisheries Biologist, Plymouth
Nick Miofsky - Conservation Warden, Fond du Lac County
Jason Quast - Kettle Moraine State Forest

RECEIVED

State of Wisconsin DNR
DNR Department of Natural Resources
Water Permit Central Intake - attn: APRM
PO Box 7185
Madison, WI 53707-7185

MAR 23

**Chemical Aquatic Plant Control Application and Permit
Wisconsin Pollutant Discharge Elimination System (WPDES)
Pesticide Pollutant Permit Application**

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Notice: Use of this form is required by the Department for any application filed pursuant to s. 281.17(2), Wis. Stats., and Chapters NR 107, 200 and 205, Wis. Adm. Code. This permit application is required to request coverage for pollutant discharge into waters of the state. Personally identifiable information on this form may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

| DNR Use Only | |
|------------------------------|---------------------------|
| ID Number NE 2018-20-0583 | Permit Expiration Date |
| Waterbody # 38700 | Fees Received \$ 501.5 |

Section I - Applicant Information - Name of Permit Applicant. Also indicate names and addresses of all individuals, associations, communities or town sanitary districts sponsoring treatment. Attach additional sheets if necessary.

| | | | | | |
|--|-------------|-------------------|---------------------------------|-------|----------|
| Home Address: Name Richard Clements Tom Hinchliffe | | | Waterbody Address: Name SAME | | |
| Street Address N40 Sunny Slope W432 Clement Circle | | | Street Address | | |
| City Cascade Campbell sport | State WI | ZIP Code 53011 | City | State | ZIP Code |
| Phone Number (include area code) Primary: Secondary: (920) 533-8748 | | | Email Address | | |

Section II - Aquatic Plant Control Location

| | | | | | |
|---|--------------------------|------------------|---|--|---|
| Waterbody to be Treated (waterbody where treatment area is located) Long Lake | | | | Lake Surface Area 417 acres | Estimated Surface Area that is 10 Feet or Less in Depth 30 acres |
| County Fond Du Lac | Section 25 | Township 14 N | Range 19 | Name of Applicator or Firm Aquatic Biologists, Inc. | |
| Latitude 44.6745340 | Longitude -88.1720290 | | Street or Route N4828 US HWY 45 | | |
| • Is there more than one property owner? <input checked="" type="radio"/> Yes <input type="radio"/> No • Is there surface water discharge? <input checked="" type="radio"/> Yes <input type="radio"/> No • Does the waterbody have public access? <input checked="" type="radio"/> Yes <input type="radio"/> No If all are no: considered to be a private pond | | | City Fond du Lac | State WI | ZIP Code 54937 |
| Adjacent Riparian Property Owner Names (attach sheets if necessary) 1. See Attached List | | | County Fond Du Lac | Phone Number (include area code) (920) 921-6827 | |
| Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate) | | | Email Address info@aquaticbiologists.com | | |
| Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate) | | | Applicator Certification Number for Category 5 Aquatic Pesticide Application 069697 (RWL) / 091271 (Matt H) / 89839 (Marc H) | | |
| Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate) | | | Business Location License Number (if applicable) 93-001865-009755 | | |
| Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate) | | | Restricted Use Pesticide License Number (if applicable) | | |

| Area(s) Proposed for Control: | Treatment Length | Treatment Width | Estimated Acreage | Average Depth | Calculated Volume |
|-------------------------------|------------------|-----------------|--------------------------|-------------------------------|-------------------|
| 1. | ft X | ft + | 43,560 ft ² = | 2.8 ac X 5 ft = | 14 ac-ft |
| 2. | ft X | ft + | 43,560 ft ² = | 3.9 ac X 5.5 ft = | 21.45 ac-ft |
| 3. | ft X | ft + | 43,560 ft ² = | 9.8 ac X 3.2 ft = | 31.36 ac-ft |
| 4. | ft X | ft + | 43,560 ft ² = | 4.1 ac X 5 ft = | 20.5 ac-ft |
| 5. | ft X | ft + | 43,560 ft ² = | ac X ft = | ac-ft |
| 6. | ft X | ft + | 43,560 ft ² = | ac X ft = | ac-ft |
| 7. | ft X | ft + | 43,560 ft ² = | ac X ft = | ac-ft |
| 8. | ft X | ft + | 43,560 ft ² = | ac X ft = | ac-ft |
| 9. | ft X | ft + | 43,560 ft ² = | ac X ft = | ac-ft |
| Estimated Acreage Grand Total | | | 20.6 ac | Calculated Volume Grand Total | |
| | | | | | 87.3 ac-ft |

If the estimated acreage is greater than 10 acres, or is greater than 10 percent of the estimated area 10 feet or less in depth in Section II, complete and attach Form 3200-004A, Large-Scale Treatment Worksheet. Private pond treatments are exempted from this requirement.

Is this area within or adjacent to a sensitive area designated by the Department of Natural Resources? Yes No

DNR Use: NHI Review? Yes No Describe

Chemical Aquatic Plant Control Application and Permit
WPDES Pesticide Pollutant Permit Application

Form 3200-004 (R 02/17)

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Section V – Chemical Control (continued)

Full Trade Name of Proposed Chemical(s)
Aquathol K

Method of Application: Boat Sprayer, Spreading, Injection

Will surface water outflow and/or overflow be controlled to prevent chemical loss? Yes No
Have the proposed chemicals been permitted in a prior year on the proposed site? All Some None
What were the results of the treatment?

For private ponds and wellands please ignore next question

Is treatment area greater than 5% of surface area? Yes No

If yes, calculate whole lake concentration (in ppm). Refer to DNR Lake pages dnr.wi.gov/Lakes to answer the following:

Does the lake stratify? Yes No If yes, calculate whole lake concentration using volume above thermocline.
If no, calculate whole lake concentration using total lake volume.

Whole Lake Concentration: _____ ppm

Note: Chemical fact sheets for aquatic pesticides used in Wisconsin are available from the Department of Natural Resources at the following link: dnr.wi.gov/Lakes/plants/factsheets/.

Section VI – Applicant Responsibilities and Certification

1. The applicant has prepared a detailed map which shows the length, width and average depth of each area proposed for the control of rooted vegetation and the surface area in acres or square feet for each proposed algae treatment.
2. The applicant understands that the Department of Natural Resources may require supervision of any aquatic plant management project involving chemicals. Under s. NR 107.07, Wis. Adm. Code, supervision may include inspection of the proposed treatment area, chemicals and application equipment before, during or after treatment. The applicant is required to notify the regional office 4 working days in advance of each anticipated treatment with the date, time, location and size of treatment unless the Department waives this requirement. Do you request the Department to waive the advance notification requirement? Yes No
3. The applicant agrees to comply with all terms or conditions of this permit, if issued, as well as all provisions of Chapter NR 107, Wis. Adm. Code. The required application fee is attached.
4. The applicant has provided a copy of the current application to any affected property owners' association, inland lake district and, in the case of chemical applications for rooted aquatic plants, to all owners of property riparian or adjacent to the treatment area. The applicant has also provided a copy of the current chemical fact sheet for the chemicals proposed for use to any affected property owner's association or inland lake district.
5. Conditions related to invasive species movement. The applicant and operator agree to the following methods required under s. NR 109.05(2), Wis. Adm. Code for controlling, transporting and disposing of aquatic plants and animals, and moving water:
 - Aquatic plants and animals shall be removed and water drained from all equipment as required by s. 30.07, Wis. Stats., and ss. NR 19.055 and 40.07, Wis. Adm. Code.
 - Operator shall comply with the most recent Department-approved 'Boat, Gear, and Equipment Decontamination and Disinfection Protocol', Manual Code # 9183.1, available at <http://dnr.wi.gov/topic/invasives/disinfection.html>

Check if you are signing as Agent for Applicant.

I hereby certify that the above information is true and correct and that copies of this application have been provided to the appropriate parties named in Section II and that the conditions of the permit and pesticide use will be adhered to.

[Signature]
Signature of Applicant

3-19-2018
Date Signed

All portions of this permit, map and accompanying cover letter must be in possession of the chemical applicator at time of treatment. During treatment all provisions of Chapter NR 107, specifically ss. NR 107.07 and NR 107.08, Wis. Adm. Code, must be complied with, as well as the specific conditions contained in the permit cover letter.

Chemical Aquatic Plant Control Application and Permit WPDES Pesticide Pollutant Permit Application

Form 3200-004 (R 02/17)

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Section VII – WPDES Permit Request

Is WPDES coverage being requested? Refer to <http://dnr.wi.gov/topic/wastewater/aquaticpesticides.html> for more information.

- No:
 Already have WPDES coverage.
 Yes – complete section VII with signature
 WPDES coverage not needed

Select which permit you are requesting:

WI-0064556-1 Aquatic Plants, Algae & Bacteria
 WI-0064564-1 Aquatic Animals
 WI-0064581-1 Mosquitoes & other Flying Insects

Indicate WPDES permittee responsible for the pollutant discharge:
 Applicator
 Sponsor

Do you expect the pest control activity will result in a detectable pollutant discharge to waters of the state beyond the treatment area boundary or a pollutant residual in waters of the state after the treatment project is completed?
 Yes
 No

If yes, identify the pollutant(s): _____

Are you planning to incorporate integrated pest management principles, as specified in the WPDES permit, into your pest control activity to minimize any pollutant residual or pollutant discharge beyond the treatment area?
 Yes
 No

Type of WPDES coverage being requested:
 One Treatment Site
 Statewide Coverage

For informational purposes, select areas of WI for most of your aquatic treatments:
 NW
 NE
 SW
 SE

Is WPDES coverage being requested for more than 1 year?

- Yes
 No
 If yes, the permittee will remain in "active" WPDES status until a Notice of Termination is submitted.

I hereby certify that I am the authorized representative (as specified in Ch. NR 205.07(1)(g), Wis. Adm. Code) of the pest treatment activity which is the subject of this permit application. I certify that the information contained in this form and attachments is, to the best of my knowledge, true, accurate and complete.

 Signature of Authorized Representative Printed Name Date Signed

Section VIII – Permit to Carry Out Chemical Treatment (Leave Blank – DNR Use Only)

The foregoing application is approved. Permission is hereby granted to the applicant to chemically treat the waters described in the application during the season of 20 18.

Application fee received?

- Yes
 No

State of Wisconsin
Department of Natural Resources
For the Secretary

Advance notification of treatment required?

- Yes
 No

By Mary Housberg
Regional Director or Designee

4-4-2018 4-4-2018
 Date Signed Date Mailed

Please Note:

If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed.

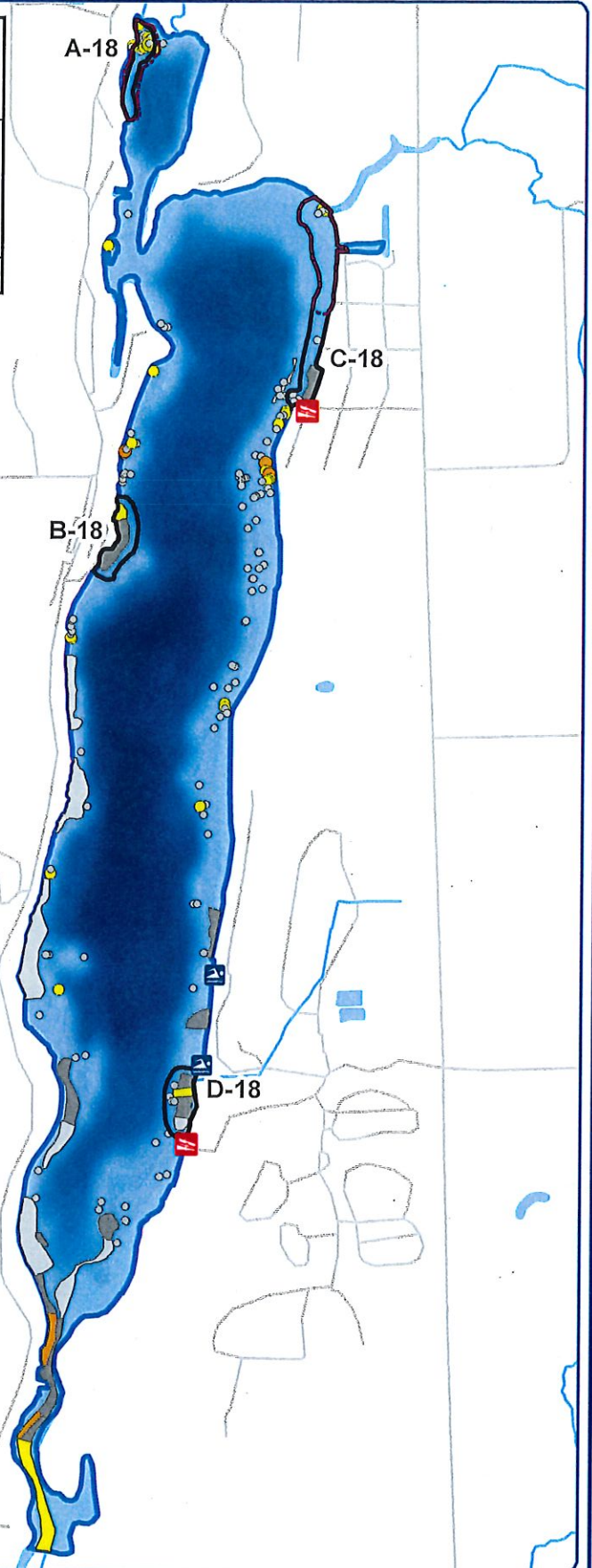
For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

This notice is provided pursuant to s. 227.48(2), Wis. Stats.

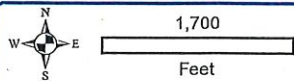
To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

2018 Preliminary Spot Treatment Strategy

| Site | Average Acres | Average Depth (feet) | Volume (acre-feet) | Endothall PPM ai | Aquathol K (gallons) |
|--------------|---------------|----------------------|--------------------|------------------|----------------------|
| A-18 | 2.8 | 5.0 | 14.0 | 3.5 | 31.0 |
| B-18 | 3.9 | 5.5 | 21.5 | 3.0 | 41.0 |
| C-18 | 9.8 | 3.2 | 31.4 | 2.0 | 40.0 |
| D-18 | 4.1 | 5.0 | 20.5 | 3.0 | 40.0 |
| Total | 20.6 | | 87.3 | | 152.0 |



Project Location in Wisconsin



Onterra LLC
 Lake Management Planning
 815 Prosper Rd
 De Pere, WI 54115
 920.338.8860
 www.onterra-eco.com

Sources:
 Roads and Hyrdro: WDNR
 Bathymetry: Onterra, 2015
 Aquatic Plants: Onterra, June 2017
 Map Date: February 19, 2018
 File Name: c:\LongFDL_CLP_72018_Prelim.mxd

- Legend**
- Curly-leaf pondweed (June 2017)
 - Highly Scattered
 - Scattered
 - Dominant
 - Highly Dominant
 - Surface Matting (None)
 - Single or Few Plants
 - Clumps of Plants
 - Small Plant Colony
 - 2017 Final CLP Treatment Area
 - 2018 Preliminary CLP Treatment Area

Map 5
 Long Lake
 Fond du Lac County, Wisconsin
**2018 Preliminary
 CLP Treatment
 Strategy**

