



Permit #: SE-2019-52-1949

Waterbody Name: Wind Lake

Date: 02/28/2019

Contact Person: \_\_\_\_\_

Subject: Aquatic Plant Management Permit

Dear Mrs. Aron

Enclosed is your approved permit for the chemical treatment of aquatic plants in Wind Lake.  
The proposed treatment is a maximum of 202 acres.

This permit has been issued in accordance with Wisconsin Administrative Code NR 107. Aspects of this permit may not be changed without prior approval of the Department of Natural Resources. Issuance of this permit is not an endorsement for the action authorized. Please note the permit conditions below.

**Lake Specific Permit Conditions: (All checked conditions apply to this permit)**

Herbicide applications may be limited in areas where high value native aquatic plants (such as native pondweeds, native milfoils, water shield, water lilies, bulrush, water celery, bladderwort, naiads, crowfoot, etc) are more abundant than Eurasian watermilfoil, curly-leaf pondweed, or coontail.

Treatment may not occur in the DNR designated sensitive area.

Herbicide applications to treat aquatic exotic species may be allowed in Sensitive Areas if there is no potential damage to native species present. These areas can be seen on the attached Sensitive Area map for \_\_\_\_\_.

The herbicides \_\_\_\_\_ may not be used.

Treatment must occur in the spring when Eurasian watermilfoil is actively growing (2 to 4 inches of green tips).

Results of the pretreatment aquatic plant survey and proposed treatment areas must be submitted to Craig Helker ([Craig.Helker@wi.gov](mailto:Craig.Helker@wi.gov)) a minimum of 4 working days prior to anticipated treatment.

You must notify Craig Helker by e-mail ([Craig.Helker@wi.gov](mailto:Craig.Helker@wi.gov)) a minimum of 4 working days prior to anticipated treatment to schedule supervision.

**General Permit Conditions: (All conditions apply to this permit)**

The permit holder, per NR107.08(8), shall submit the Aquatic Plant Management Treatment record for treatment as follows:

- A. Immediately, if any unusual circumstances occur during treatment.
- B. Within 30 days, if treatment occurs.
- C. By October 1 of this year if no treatment occurred.

A copy of the permit application must be provided to riparian property owners in and adjacent to the treatment area before the treatment may occur. The application may be provided by US mail, e-mail, or a US mail postcard directing the property owner to a public website that has posted the permit application.

Treatment concentration cannot exceed maximum recommended dosage for target species, as listed on the product label.

All equipment used in the lake must be sanitized before entering waters of the state and must abide by all provisions of NR 40.

Posting signs shall be placed on each individual property in and adjacent to the treatment area. These posting signs shall clearly indicate which properties have and have not had treatment in front of their riparian property. A posting sign shall also be provided at the public boat launch, which will include a map of the treatment area.

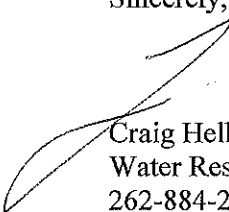
Application is restricted to the permitted area as shown on the map included in the permit application.

Treatment in the permitted application area will not be performed in front of riparian property if the owners indicate they do not want treatment in writing to the Director or to the Department of Natural Resources.

Any chemical treatments or locations not described in this application will require an additional permit from the Department. Future permit applications will be evaluated based on the information at that time.

Please feel free to contact me by email if you have any questions.

Sincerely,



Craig Helker  
Water Resources Biologist  
262-884-2357  
Craig.Helker@WI.GOV

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

**Chemical Aquatic Plant Control Application and Permit  
 Wisconsin Pollutant Discharge Elimination System (WPDES)  
 Pesticide Pollutant Permit Application**  
 Form 3200-004 (R 02/17) Page 1 of 5

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 SE-2019-52-1949	Permit Expiration Date 10/01/19
Waterbody # 761700	Fee Received \$1,270

**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.

<b>Home Address</b>				<b>Waterbody Address</b>			
Name Wind Lake Management District				Name			
Street Address 30910 Royal Hill Rd				Street Address			
City Burlington	State WI	ZIP Code 53105		City	State	ZIP Code	
Phone Number (include area code) Primary: (262) 514-3234      Secondary:				Email Address aronasoc@tds.net			

**Section II - Aquatic Plant Control Location**

Waterbody to be Treated (waterbody where treatment area is located) Wind Lake				Lake Surface Area 936 acres	Estimated Surface Area that is 10 Feet or Less in Depth acres
County <del>Adams</del> <b>RACINE</b>	Section 9	Township 04 N	Range 20	Name of Applicator or Firm Marline Biochemists / Lonza	
Latitude 42.8230620	Longitude -88.1418900	<input checked="" type="radio"/> E <input type="radio"/> W		Street or Route N173 W21440 Northwest Passage	
<input checked="" type="radio"/> Yes <input type="radio"/> No Is there more than one property owner?		<input type="radio"/> Yes <input type="radio"/> No Is there surface water discharge?		City Jackson	
<input checked="" type="radio"/> Yes <input type="radio"/> No Does the waterbody have public access? If all are no: considered to be a private pond		State WI		ZIP Code 53037	
Adjacent Riparian Property Owner Names (attach sheets if necessary)				County Phone Number (include area code) (262) 674-1783	
1. See Attached				Email Address brian.suffern@lonza.com	
2. _____				Applicator Certification Number for Category 5 Aquatic Pesticide Application 1517	
3. _____				Business Location License Number (if applicable) 93-000527	
4. _____				Restricted Use Pesticide License Number (if applicable)	
5. _____					
6. _____					
Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate)					

Area(s) Proposed for Control:	Treatment Length	Treatment Width	Estimated Acreage	Average Depth	Calculated Volume
1.	300 ft X	21,750 ft ±	43,560 ft <sup>2</sup> = 149.79 ac X	7 ft =	1,048.53 ac-ft
2.	1,500 ft X	1,500 ft ±	43,560 ft <sup>2</sup> = 51.65 ac X	7 ft =	361.65 ac-ft
3.	ft X	ft ±	43,560 ft <sup>2</sup> = ac X	ft =	ac-ft
4.	ft X	ft ±	43,560 ft <sup>2</sup> = ac X	ft =	ac-ft
5.	ft X	ft ±	43,560 ft <sup>2</sup> = ac X	ft =	ac-ft
6.	ft X	ft ±	43,560 ft <sup>2</sup> = ac X	ft =	ac-ft
7.	ft X	ft ±	43,560 ft <sup>2</sup> = ac X	ft =	ac-ft
8.	ft X	ft ±	43,560 ft <sup>2</sup> = ac X	ft =	ac-ft
9.	ft X	ft ±	43,560 ft <sup>2</sup> = ac X	ft =	ac-ft
Estimated Acreage Grand Total			201.44 ac	Calculated Volume Grand Total	1,410.08 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

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### Section III - Fees

1. s. NR 107.11(1), Wis. Adm. Code, lists the conditions under which the permit fee is limited to the \$20 minimum charge.
2. s. NR 107.11(4), Wis. Adm. Code, lists the uses that are exempt from permit requirements.
3. s. NR 107.04(2), Wis. Adm. Code, provides for a refund of acreage fees if the permit is denied or if no treatment occurs.
4. Fee calculations: If proposed treatment is over 0.25 acre, calculate acreage fee:  
(round up to nearest whole acre, to maximum of 50 acres.)

\_\_\_\_\_ 50 \_\_\_\_\_ acres X \$25 per acre = \$ \_\_\_\_\_ 1,250 \_\_\_\_\_

If proposed treatment is ≤ 0.25 acre, acreage fee is \$0.

Enter Acreage Fee (from above) ..... \$ \_\_\_\_\_ 1,250.00 \_\_\_\_\_

Basic Permit Fee (non-refundable) ..... \$ \_\_\_\_\_ 20.00 \_\_\_\_\_

Total Fee Enclosed ..... \$ \_\_\_\_\_ 1,270.00 \_\_\_\_\_

**Site Map:** Attach a sketch or a printed map of lake indicating area and dimensions of each individual area where plant control is desired and flow of surface water outside treatment area. Also show location of property owners riparian to and adjacent to the treatment area. Attach a separate list of owners and corresponding treatment dimensions coded to the lake map, if necessary.

### Section IV - Reasons for Aquatic Plant Control

Is this permit being requested in accordance with an approved Aquatic Plant Management Plan?  Yes  No

Treatment Type:

Lake  Pond  Wetland  Marina  Other

Goal of Aquatic Plant Control:

1.  Maintain navigational channel
2.  Maintain boat landing and carry in access
3.  Improve fish habitat
4.  Maintain swimming area
5.  Control of invasive exotics
6.  Other: \_\_\_\_\_

Nuisance Caused By:

- Algae
- Emergent water plants (majority of leaves and stems growing above water surface, e.g. cattails, bulrushes)
- Floating water plants (majority of leaves floating on water surface, e.g., waterlilies, duckweed)
- Submerged water plants (leaves and stems below water surface, flowering parts may be exposed, e.g., milfoil, coontail)
- Other: \_\_\_\_\_

List Target Plants

watermilfoil  
curly-leaf pondweed  
coontail  
water lilies  
starry stonewort

**Note:** Different plants require different chemicals for effective treatment. Do not purchase chemical before identifying plants.

### Section V - Chemical Control

Alternatives to Chemical Control:

Feasible?

If No, Why Not?

- |                                   |   |                      |
|-----------------------------------|---|----------------------|
| 1. Mechanical harvesting          | <input checked="" type="radio"/> Yes <input type="radio"/> No |                      |
| 2. Manual removal                 | <input type="radio"/> Yes <input checked="" type="radio"/> No | <u>ineffective</u>   |
| 3. Sediment screens/covers        | <input type="radio"/> Yes <input checked="" type="radio"/> No | <u>ineffective</u>   |
| 4. Dredging                       | <input type="radio"/> Yes <input checked="" type="radio"/> No | <u>too expensive</u> |
| 5. Lake drawdown                  | <input type="radio"/> Yes <input checked="" type="radio"/> No | <u>not feasible</u>  |
| 6. Nutrient controls in watershed | <input checked="" type="radio"/> Yes <input type="radio"/> No |                      |
| 7. Other: _____                   | <input type="radio"/> Yes <input type="radio"/> No            |                      |

**Note:** If proposed treatment involves multiple properties, consider feasibility of EACH alternative for EACH property owner.

If you checked yes to any of the alternatives listed above, please explain your decision to use chemical controls:

The chemical treatments have effectively managed the nuisance conditions. Other actions listed above are also used when needed or appropriate.

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Section V - Chemical Control (continued)

Full Trade Name of Proposed Chemical(s)

2,4-D (Navigate, DMA-4, Weedare 64)

Aquathol K, Cutrine Plus

Citrine Ultra

Reward, Weedtrine D

Habitat

Tribune or Harvester

Harpoon

Fluridone (Sonar, Fluridone RTU, Avast, Whitecap) - Not to be used without prior Dept. and approval

Hydrothol 191 - May be limited below 2.0 ppm

Method of Application: spreader or sprayer, drop lines

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?

very to somewhat effective

For private ponds and wetlands 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](http://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: 0.01 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/](http://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>

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**Section VI - Applicant Responsibilities and Certification (continued)**

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 of Applicant

1-31-19  
\_\_\_\_\_  
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.

**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

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

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**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 19.

Application fee received?

Yes     No

State of Wisconsin  
Department of Natural Resources  
For the Secretary

Advance notification of  
treatment required?

Yes     No

By \_\_\_\_\_  
Regional Director or Designee

2/28/19  
Date Signed

2/28/19  
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.

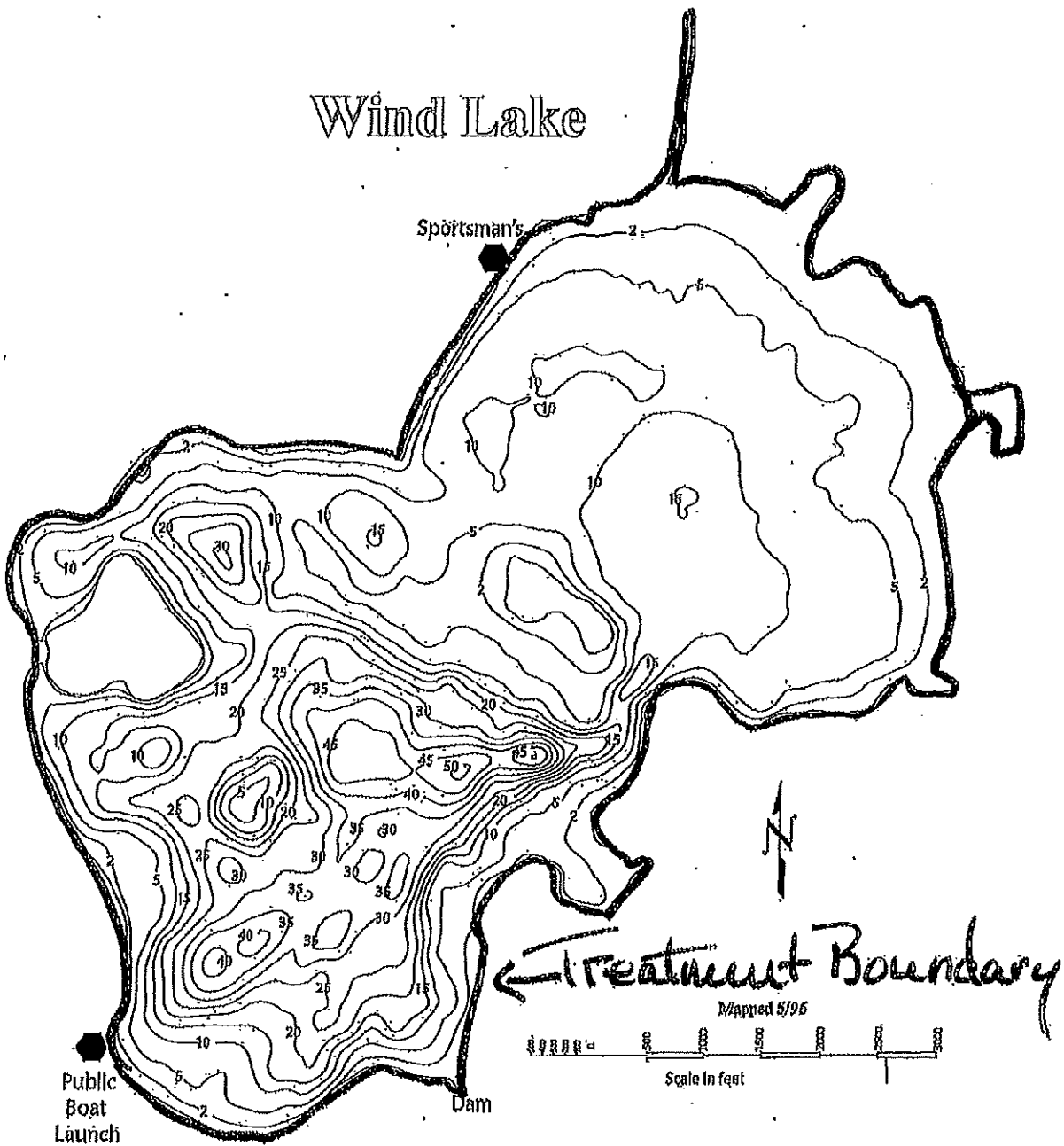


Figure 1 Base Map of Wind Lake