

Aquatic Plant Management

NOTE: Missing or incomplete fields are highlighted at the bottom of each page. You may save, close and return to your draft permit as often as necessary to complete your application. If there are no updates in 90 days, your draft is deleted

This Application has been Signed and Submitted by: i:0#.f|wamsmembership|blumedl signed on 2023-03-23T13:31:13

Site or Project Name:

2023 Horseshoe Lake Barron-Polk County EEWM-HWM Management

The permit application will be saved automatically with this name

Activity:

Chemical Control Application

Eligibility:

(All questions must be no for it to be considered a private pond.)

Does the waterbody have:

- More than one property owner? Yes No
- Uncontrolled surface water discharge? Yes No
- Public access? Yes No

3200-004 Chemical Aquatic Control Application

NOTE: To be considered a private pond, a waterbody must meet all of the following requirements:

1. Confined to one property owner.
2. The pond has no uncontrolled surface water discharge.
3. No public access.

Upon submittal of your permit application, a **non-refundable \$20 permit processing fee will be charged**. Additional acreage fees will be refunded if the permit request is denied or if no treatment occurs.

3200-004 Chemical Aquatic Plant Control Application

- Annually complete all pages on Form 3200-004 for chemical plant management applications. Complete form 3200-004a for large scale treatments(exceeds 10.0 acres in size or 10% of the area of the water body that is 10 feet or less in depth) as required by NR107.04(3).
 - Form 3200-004 is completed electronically through this system.
 - Form 3200-004a must be completed outside the system and uploaded to the attachments section. Please refer to this link for a copy of this form: <http://dnr.wi.gov/files/pdf/forms/3200/3200-004A.pdf>
- Attach a map that shows the treatment location(s), treatment dimensions and riparian landowners. If requesting WPDES coverage, attach a water body map that shows surface outflow and receiving waters.
- For a large-scale treatment, attach evidence that a public notice has been published in a regional / local newspaper and if required that a public informational meeting has been conducted as defined in NR107.04(3).
- Pay fee online.
- Sign and Submit form.
- A signed permit application certifies to the Department that a copy of the application has been provided to any affected property owner's association/district and to landowners adjacent to treatment area.

Contact Information

Applicant Information

Organization Horseshoe Lake Public Inland P&R District

Last Name: Waldo

First Name: Joe

Mailing Address: PO Box 304

City: Turtle Lake

State: WI

Zip Code: 54889

Email:

Phone Number:

(xxx-xxx-xxxx)

Alternative Phone Number:

(xxx-xxx-xxxx)

Waterbody Address

Last Name:

First Name:

Street Address: 83 S. Horseshoe Lake Dr.

City: Turtle Lake

State: WI

Zip Code: 54889

Email:

Phone Number:

(xxx-xxx-xxxx)

Alternative Phone Number:

(xxx-xxx-xxxx)

Applicator

Name of Applicator Firm: Northern Aquatic Services

Applicator Certification #: 061742

Business Location License #: 93-013996-011211

Restricted Use Pesticide #:

Address: 1061 240th Street

City: Dresser

State: WI

Zip: 54009

Email: ddressel@centurytel.net

Phone Number: 715-495-5252
(xxx-xxx-xxxx)

Adjacent Riparian Property Owners

NOTE: Phone and email address will not be publicly viewable.

Uploaded riparian owners to attachment tab

Name	Address	Phone	Email Address
<input type="text"/>	<input type="text"/>		

Site Information - Complete

Waterbody Containing Control Area(s)

Waterbody Property Owners Association
or Waterbody District Representative :

Joe Waldo

None

Water Body Name:

Horseshoe Lake

Primary County:

Polk

Latitude:

45.445

Longitude:

-92.154

Section:

13

Township:

34

Range:

15

Direction:

E W

Waterbody Surface Area:

389

acres

Estimated Surface area that is 10ft or less

169

acres

Proposed Control Area(s)

Area(s) Proposed for Control:

Site Name (Optional)	Treatment Length	Treatment Width	Estimated Acreage	Average Depth	Calculated Volume
Bed1-23	0 ft. x	0 ft.	$\div 43,560 \text{ ft}^2 =$ 1.15 ac	6 ft =	6.90 ac-ft
Bed2-23	0 ft. x	0 ft.	$\div 43,560 \text{ ft}^2 =$ 1.19 ac	5 ft =	5.95 ac-ft
Bed3-23	0 ft. x	0 ft.	$\div 43,560 \text{ ft}^2 =$ 3.73 ac	5 ft =	18.65 ac-ft
Estimated Acreage Grand Total			6.07 ac	Calculated Volume Grand Total	31.50 ac-ft

Is the area with in or adjacent to a sensitive area designated by the Department of Natural Resources. [More Information](#)

Yes No

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.

Chemical Aquatic Plant Control Information - Form 3200-004 (R 2/17)

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.].

Treatment Type:

- Lake Pond Wetland Marina Other

Has a Lake Management plan been provided to the DNR? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't Know	If Yes, date approved of most current copy 11/8/2022	Link to Approved Plan: https://leapsllc.com/index.php/horseshoe <input type="checkbox"/> Uploaded Plan copy as an Attachment
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Does the proposed plant removal agree with the approved plan? Yes No
If NO, explain, Attach additional sheets if necessary.

Goal of Aquatic Plant Control:

- Maintain navigation channel
- Maintain boat landing and carry in access
- Improve fish habitat
- Maintain swimming area
- Control of invasive exotics
- Other

Nuisance Caused By:

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

List Target Plants

- | | | |
|---|---|--|
| <input type="checkbox"/> Algae | <input type="checkbox"/> Flowering Rush | <input type="checkbox"/> Purple Loosestrife |
| <input type="checkbox"/> Common/Glossy Buckthorn | <input type="checkbox"/> Hybrid Cattail | <input type="checkbox"/> Reed Canary Grass |
| <input type="checkbox"/> Coontail | <input checked="" type="checkbox"/> Hybrid Watermilfoil | <input type="checkbox"/> Reed Manna Grass |
| <input type="checkbox"/> Curly-Leaf Pondweed | <input type="checkbox"/> Japanese Knotweed | <input type="checkbox"/> Starry Stonewort |
| <input type="checkbox"/> Duckweed | <input type="checkbox"/> Naiad | <input type="checkbox"/> Yellow Floating Heart |
| <input type="checkbox"/> Elodea | <input type="checkbox"/> Narrow-Leaf Cattail | <input type="checkbox"/> Yellow Iris |
| <input checked="" type="checkbox"/> Eurasian Watermilfoil | <input type="checkbox"/> Phragmites | <input type="checkbox"/> Pondweed |

Other Target Plants:

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

Chemical Control

Full Trade Name of Proposed Chemical(s)

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> Agristar 2,4-D Amine | <input type="checkbox"/> Clipper | <input type="checkbox"/> K-Tea | <input type="checkbox"/> SCI-62 |
| <input type="checkbox"/> Algimycin PWF | <input type="checkbox"/> Clipper SC | <input type="checkbox"/> Littora | <input type="checkbox"/> Sculpin G |
| <input type="checkbox"/> Alligare 2,4-D | <input type="checkbox"/> Current | <input type="checkbox"/> Milestone | <input type="checkbox"/> SeClear |
| <input type="checkbox"/> Alligare Argos | <input type="checkbox"/> Cutrine-Plus | <input type="checkbox"/> Nautique | <input type="checkbox"/> SeClear G |
| <input type="checkbox"/> Alligare Diquat | <input type="checkbox"/> Cutrine-Plus Granular | <input type="checkbox"/> Navigate | <input type="checkbox"/> Shoreklear-Plus |
| <input type="checkbox"/> Alligare Ecomazapyr | <input type="checkbox"/> Cutrine-Ultra | <input type="checkbox"/> Navitrol | <input type="checkbox"/> Shredder Amine |
| <input type="checkbox"/> Alligare Glyphosate 5.4 | <input type="checkbox"/> DMA 4 IVM | <input type="checkbox"/> Navitrol DPF | <input type="checkbox"/> Sonar AS |
| <input type="checkbox"/> Aqua Neat | <input type="checkbox"/> Earthtec | <input type="checkbox"/> Phycomycin SCP | <input type="checkbox"/> Sonar Genesis |
| <input type="checkbox"/> Aqua Star | <input type="checkbox"/> Element 3A | <input type="checkbox"/> Polaris | <input type="checkbox"/> Sonar H4C |
| <input type="checkbox"/> AquaPro | <input type="checkbox"/> Flumioxazin 51% WDG | <input type="checkbox"/> Polaris AC | <input type="checkbox"/> Sonar PR |
| <input type="checkbox"/> Aquashade | <input type="checkbox"/> Formula F-30 | <input type="checkbox"/> Pond-Klear | <input type="checkbox"/> Sonar Q |
| <input type="checkbox"/> Aquashadow | <input type="checkbox"/> Garlon 3A | <input checked="" type="checkbox"/> ProcellaCOR EC | <input type="checkbox"/> Sonar RTU |
| <input type="checkbox"/> Aquastrike | <input type="checkbox"/> Green Clean | <input type="checkbox"/> Refuge | <input type="checkbox"/> Sonar SRP |
| <input type="checkbox"/> Aquathol K | <input type="checkbox"/> Habitat | <input type="checkbox"/> Renovate 3 | <input type="checkbox"/> SonarOne |
| <input type="checkbox"/> Aquathol Super K | <input type="checkbox"/> Harpoon | <input type="checkbox"/> Renovate LZR | <input type="checkbox"/> Stingray |
| <input type="checkbox"/> Avast! SC | <input type="checkbox"/> Harvester | <input type="checkbox"/> Renovate LZR Max | <input type="checkbox"/> Symmetry NXG |
| <input type="checkbox"/> Captain | <input type="checkbox"/> Havoc Amine | <input type="checkbox"/> Renovate Max G | <input type="checkbox"/> Touchdown Pro |
| <input type="checkbox"/> Captain XTR | <input type="checkbox"/> Hydrothol 191 | <input type="checkbox"/> Renovate OTF | <input type="checkbox"/> Tribune |
| <input type="checkbox"/> Chinook | <input type="checkbox"/> Hydrothol Granular | <input type="checkbox"/> Reward | <input type="checkbox"/> Trycera |
| <input type="checkbox"/> Clearcast | <input type="checkbox"/> Komeen | <input type="checkbox"/> Rodeo | <input type="checkbox"/> Weedar 64 |
| <input type="checkbox"/> Clearigate | <input type="checkbox"/> Komeen Crystal | <input type="checkbox"/> Roundup Custom | <input type="checkbox"/> Weedestroy AM-40 |

Other Proposed Chemical(s):

Have the proposed chemicals been permitted in a prior year on the proposed site?

- All Some None

What were the results of the treatment?

This will be the first time ProcellaCOR has been used on Horseshoe Lake. Liquid 2,4D has had mixed results, but mostly good

Method of Application: Injection

Other Method of Application

NOTE: Chemical fact sheets for aquatic pesticides used in Wisconsin are available from the Department of Natural Resources upon request.

Alternatives to Chemical Control:	Feasible?	If No, Why Not?
1. Mechanical harvesting	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not a good alternative for EWM/HWM
2. Manual removal	<input checked="" type="radio"/> Yes <input type="radio"/> No	
3. Sediment screens/covers	<input type="radio"/> Yes <input checked="" type="radio"/> No	Too big an area, not approved by DNR
4. Dredging	<input type="radio"/> Yes <input checked="" type="radio"/> No	not an approved management action in the APM Plan
5. Waterbody drawdown	<input type="radio"/> Yes <input checked="" type="radio"/> No	not possible, no outlet structure
6. Nutrient controls in watershed	<input checked="" type="radio"/> Yes <input type="radio"/> No	
7. Other:	<input checked="" type="radio"/> Yes <input type="radio"/> No	DASH/diver removal is also being incorporated in 2023

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

Will surface water outflow and/or overflow be controlled to prevent chemical loss?

- Yes No

Is the treatment area greater than 5% of surface area?

- Yes No

WPDES Permit Request

Is WPDES coverage being requested? Refer to

<http://dnr.wi.gov/topic/wastewater/aquaticpesticides.html> for more information

Yes - complete section VII with signature.

No

Already have WPDES

WPDES coverage not needed

Required Attachments and Supplemental Information

Upload Required Attachments (15 MB per file limit) - [Help reduce file size and trouble shoot file uploads](#)

* indicates completion of this item is required

Note: To add additional attachments using the down arrow icon. To replace an existing file, use the 'Click here to attach file ' link. To remove additional items, select the item and press CNTRL Delete.

Riparian Owners	<input type="text" value="File Attachment"/>	2023HorseshoeLakeEWMTreatmentAdjacentLandOwners.pdf
Public Notice	<input type="text" value="File Attachment"/>	
Large Scale Worksheet	<input type="text" value="File Attachment"/>	
Site Map	<input type="text" value="File Attachment"/>	2023 Horseshoe Lake Barron Polk EWM Treatment.pdf

Fee Calculation

Chemical Control Application

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.

If Proposed treatment is over 0.25, calculate acreage fee: (round up to nearest whole acre, to maximum of 50 acres) acres X \$25 per acre = \$	6.07
If proposed treatment is less than 0.25 acre, acreage fee is \$0	\$175.00
Basic Permit Fee (non-refundable)	\$20.00
Total Fee	\$195

Payment Information

Invoice Number: WP-00039924

Payment Confirmation Number: WS2WT3009845929

Amount Paid: \$195

Sign and Submit

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 will provide 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>

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

I hereby certify that that the above information is true and correct and that copies of the application shall be provided to all affected property owners promptly and that the conditions of the permit will be adhered to. All portions of this permit, map and accompanying cover letter must be in possession of the applicant or their agent at time of plant removal. During plant removal activities, all provisions of applicable Wisconsin Administrative Rules must be complied with, as well as the specific conditions contained in the permit cover letter.

Steps to Complete the signature process

IMPORTANT: All email correspondence will be sent to the address associated with your WAMS ID).

1. Read and Accept the Responsibilities and Certification
2. Press the Initiate Signature Process button
3. Open the confirmation email for a one time confirmation code and instructions to complete the signature process.

You will receive a final acknowledgement email upon completing these steps .

Check if you are signing as Agent for Applicant.

i:0#.f|wamsmembership|blumedl signed on 2023-0

I hereby certify that the above information is true and correct and that copies of this submittal shall be provided to the appropriate parties named in the contact section and that the conditions of the permit and pesticide use will be adhered to.