

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|amykay82 signed on 2020-04-08T11:43:58

Site or Project Name:	Lost Lake
The permit application will be saved automatically with this name	
Activity	<u>Chemical Control Application</u>
Eligibility: (All questions must be no for it to be considered a private pond.)	Is there more than one property owner? <input checked="" type="radio"/> Yes <input type="radio"/> No
	Will there be uncontrolled surface water discharge? <input type="radio"/> Yes <input checked="" type="radio"/> No
	Does the water body have public access? <input checked="" type="radio"/> Yes <input type="radio"/> No

Enter previous years permit information below to import Contact Information (Optional)

Permit ID #: NO-2019-64-1555

Business Certification Number: 93-018789-01570

The permit number can be found in the following locations.

- The top right corner of the first page of the approved, signed permit in the ID Number field (prior to December 31 2019)
- The cover letter included with the application that lists the permit conditions.
- **Example: NO-2019-58-0001**

The business certification number can be found in the following locations.

- In Section II Business Location License Number field of the first page of the approved, signed permit in the ID Number field (prior to December 31 2019)
- The cover letter included with the application that lists the permit conditions.
- **Example: 99-021000-011232**

NOTE: Permits are only good for the year they are issued.

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 or Pond Owner Information (Select Applicant Role)

☐ Private Individual ☐ Contractor ☒ Lake Organization (Specify): Lost Lake Protection an...

Organization Lost Lake Protection and Rehabilitation District

Last Name: Ulett

First Name: Jim

Mailing Address: P.O. Box 475

City: St. Germain

State: WI

Zip Code: 54558

Email: jim@ulett.net

Phone Number: 847-778-7460
(xxx-xxx-xxxx)

Alternative Phone Number:
(xxx-xxx-xxxx)

Waterbody Address

Last Name: Jim

First Name: Ulett

Street Address: 8210 South Lost Lake Drive

City: St. Germain

State: WI

Zip Code: 54558

Email: jim@ulett.net

Phone Number: 847-778-7560
(xxx-xxx-xxxx)

Alternative Phone Number:
(xxx-xxx-xxxx)

Applicator

Name of Applicator Firm: Clarke Aquatic Services, Inc.

Applicator Certification #: 315594, 288191, 312329

Business Location License #: 93-018750-012132

Restricted Use Pesticide #:

Address: 20061 Edison Circle E

City: Clearwater

State: MN

Zip: 55320

County:

Email: akay@clarke.com

Phone Number: 715-891-6798

(xxx-xxx-xxxx)

Adjacent Riparian Property Owners or Other Individuals Sponsoring Removal

Individuals and organizations (e.g. Lake District, Lake Association, Property Owners Association, County Department of Recreation), sponsoring removal.

☒ Uploaded riparian owners to attachment tab

Name	Address	Phone	Email Address

Site Information - Complete

Water Body to be Treated

Lake Property Owners Association or Lake District Representative :

Jim Ulett

☐ None

Water Body Name:

Lost Lake

County:

Vilas

Latitude:

45.9619784

Longitude:

-89.4944937

Section:

09

Township:

40

Range:

08

Direction:

☒ E ☐ W

Lake Surface Area:

544

acres

Estimated Surface area that is 10ft or less

225

acres

Proposed Treatment Area

Area(s) Proposed for Control:

Treatment Length	Treatment Width	Estimated Acreage	Average Depth	Calculated Volume
0 ft.	0 ft.	<div>÷ 43,560 ft.² =</div> 29.50 ac	7 ft =	206.50 ac-ft
		Estimated Acreage	Calculated Volume	
		Grand Total	Grand Total	
		29.50 ac		206.50 ac-ft

Is the area with in or adjacent to a sensitive area designated by the Department of Natural Resources.

☐ 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.].

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:

- ☐ 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 type="checkbox"/> Hybrid Watermilfoil | <input type="checkbox"/> Reed Manna Grass |
| <input checked="" 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 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)

Select Chemical Name: Aquathol K Aquatic Herbicide

Other (not listed above) Other:

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

☒ All ☐ Some ☐ None

Method of Application:

What were the results of the treatment?

Following the 2019 treatment, no CLP was visible within the treatment area, and as planned significant reductions have been made each season (since 2017), see attached 2019 monitoring report from Onterra.

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	<input type="text" value="causes fragmentation, plant regrowth"/>
2. Manual removal	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="text" value="area too large"/>
3. Sediment screens/covers	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="text" value="area too large, prevents beneficial plant growth"/>
4. Dredging	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="text" value="too expensive"/>
5. Lake drawdown	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="text" value="not site specific"/>
6. Nutrient controls in watershed	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="text" value="not site specific"/>
7. Other:	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>

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

Lake concentration calculations (in ppm.)

Refer to DNR Lake pages <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 value

Whole Lake Concentration ppm

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

 File Attachment

[2020LLPRDCLPTREATMENTRIPARIANOWNERS003.pdf](#)

Public Notice

 File Attachment

[200316LostLake2020ProofofPublication.pdf](#)

Large Scale
Worksheet

 File Attachment

Site Map

 File Attachment

[200313LostLake2020PreliminaryProposedTreatmentMap.pdf](#)

Site Map

 File Attachment

[LostLake Vilas 2019 AIS MonitorControlReport Feb19-2020.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 = \$	29.50
If proposed treatment is less than 0.25 acre, acreage fee is \$0	\$750.00
Basic Permit Fee (non-refundable)	\$20.00
Total Fee	\$770

Payment Information

Invoice Number: WP-00023106

Payment Confirmation Number: WS2WT3004556564

Amount Paid: \$770

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 the above information is true and correct and that copies of the application have been provided to the appropriate parties name in Section II 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|amykay82 signed on 2020-04-08...

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

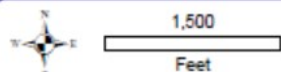
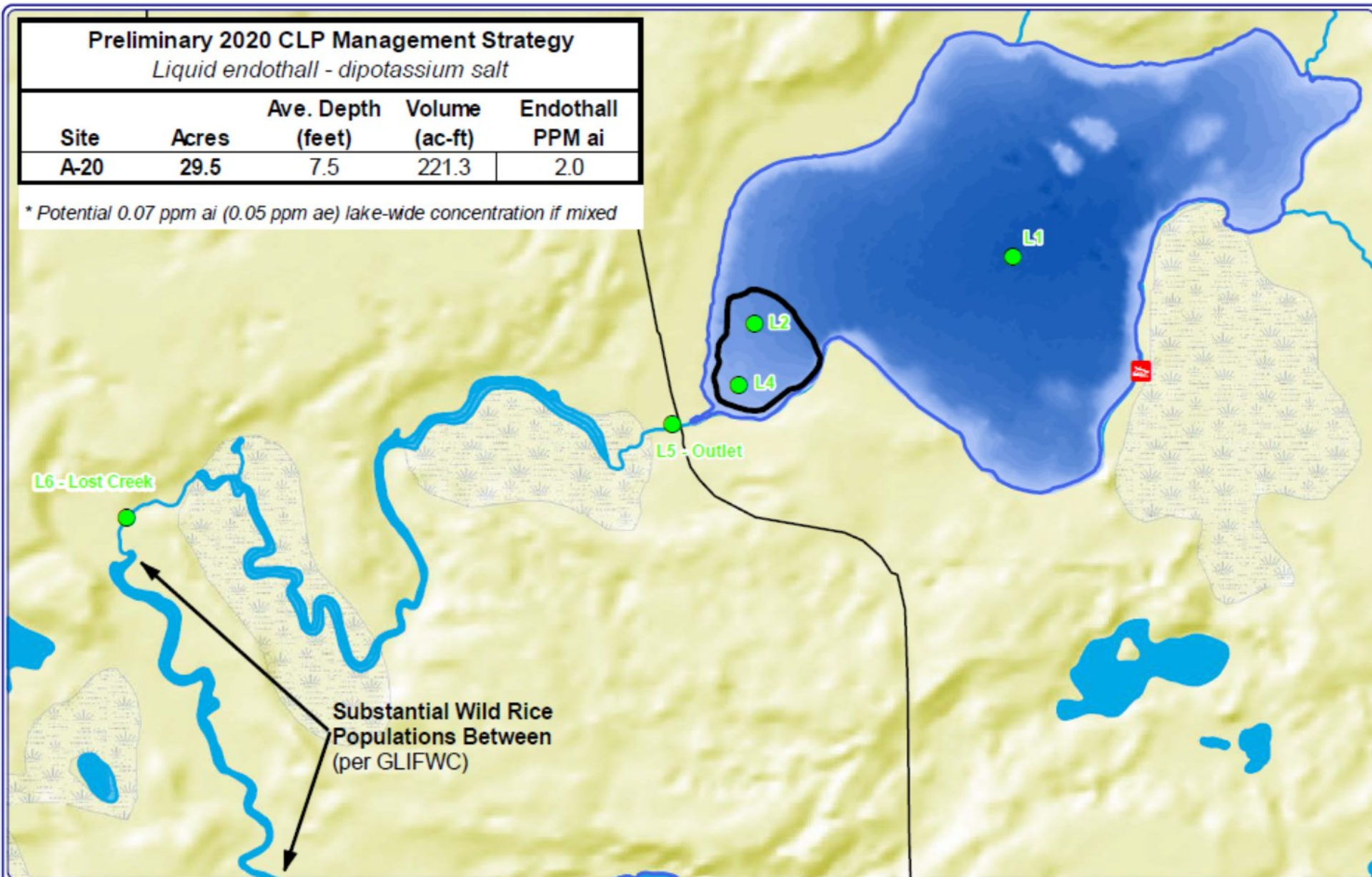
<p>Lost Lake, St. Germain WI</p> <p>2020 Proposed Curly-leaf Pondweed Herbicide Management Area</p> <p>Nearby Riparian Property Owners</p>				
Parcel #	Parcel Address	Parcel Owner Name	Parcel Owner Address	City / State / Zip
24-424-01	2460 W LOST LAKE DR	RETREAT ON LOST LAKE LLC	4458 W BUTTERFLY MOUNTAIN DR	MARANA AZ 85658
24-426	2434 W LOST LAKE DR	WILLIAM J PEIL TRUST	4458 W BUTTERFLY MOUNTAIN DR	MARANA AZ 85658
24-427	2414 W LOST LAKE D	JAMES G JANDRAIN	3274 FRANCES ST	OMAHA NE 68105
24-428	2396 W LOST LAKE D	SUSAN A SWENSON	PO BOX 500	HEDGESVILLE WV 25427
24-429-05	NONE	KENNETH H DAHNKE TRUST	7779 JUVE RD	ST GERMAIN WI 54558
24-430	NONE	WILLIAM GENT	2200 S AUSTIN ST	MILWAUKEE WI 53207
24-436	NONE	TRACY WENDT	9155 NORA LN	ST GERMAIN WI 54558
24-438	8200 S LOST LAKE DR	CODA LIMITED PRTSHP	PO BOX 189	ST GERMAIN WI 54558
24-439	8206 S LOST LAKE DR	SCOTT L THOMAS	7445 CLAREWOOD LN	GURNEE IL 60031
24-442-12	8170 S LOST LAKE DR	WILLIAM & ANN GENT	4021 TURTLE DOVE CIR	PUNTA GORDA FL 33950
24-444	8164 S LOST LAKE DR	PAMELA CARLSON	616 S ORANGE AVE APT 7E	MAPLEWOOD NJ 07040
24-450	8166 MURMURING WATERS DR	JAMES N MEEHAN	425 S BELMONT	ARLINGTON HEIGHTS IL 60005
24-467-19	NONE	MNM INVESTMENT PROPRTIE LLC	1887 MUSKELLUNGE CREEK TRL	ST GERMAIN WI 54558
24-467-20				
24-467-37	8214 S LOST LAKE DR	JASON HEGEWALD	8214 S LOST LAKE DR	ST GERMAIN WI 54558
24-467-38	8210 S LOST LAKE DR	JAMES M ULETT TRUST	445 ROSE AVE	DES PLAINES IL 60016
24-469	8160 MURMURING WATERS DR	SARAH S SCOTT	5277 N HOLLYWOOD AVE	WHITEFISH BAY WI 53217
24-470	8158 MURMURING WATERS DR	STEVEN C WIECHMANN	729 SURREY LN	SLEEPY HOLLOW IL 60118
24-478-011	2370 MAM WAY	KUEMMELS NORTHWOODS CABI LLC	13800 W PARK CENTRAL BLVD #501	NEW BERLIN WI 53151
24-478-48	8136 PATTIS PL	WETTERAUER TRUST	1134 N WOOD RD	PEORIA IL 61604
24-478-51	8190 S LOST LAKE DR	ROBERT G MORIN	4432 N JUNIPER DR	JANESVILLE WI 53545
24-478-59	2322 STH 155	ERIC W EADE	1910 PINECREST AVE	HOLMEN WI 54636
24-478-60	2314 STH 155	NATIONAL FINANCE 1 LLC	PO BOX 219	ST GERMAIN WI 54558
24-478-61	2290 STH 155	KATHLEEN L ELIASON TRUST	PO BOX 219	ST GERMAIN WI 54558
24-478-62	NONE	NATIONAL FINANCE 1 LLC	PO BOX 219	ST GERMAIN WI 54558

Preliminary 2020 CLP Management Strategy

Liquid endothall - dipotassium salt

Site	Acres	Ave. Depth (feet)	Volume (ac-ft)	Endothall PPM ai
A-20	29.5	7.5	221.3	2.0

* Potential 0.07 ppm ai (0.05 ppm ae) lake-wide concentration if mixed



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

Sources:

Aquatic Plants: Onterra, 2018
Bathymetry: Onterra, 2017
Map date: January 8, 2019 E.J.H.



Project Location in Wisconsin

Legend

- Herbicide Concentration Monitoring Site
- Preliminary 2020 CLP Treatment Area

Map 4

Lost Lake

Vilas County, Wisconsin

**Preliminary 2020 CLP
Management Strategy**

EMPLOYMENT

the lakeland times: sales@lakelandtimes.com • 715.356.5236 | northwoods river news: 715-365-6397 ext. 371

POSITIONS AVAILABLE SPECIAL EDUCATION PARAPROFESSIONALS

Long Term Substitute Position Available
and
Long Term Part-Time Substitute Position Available

Job Description: Under the supervision of Licensed Special Education Teachers, assistant may work 1:1 or in a small group with children having a variety of needs including Autism Spectrum Disorders (ASD), Emotional and Behavioral Disturbance, and/or Intellectual Disabilities.

Qualifications: Ideal candidate will have previous experience working with young children with ASD, using sensory integration strategies and have an understanding of the effects of trauma. In addition, they will remain flexible, have a good sense of humor, and enjoy working as part of a dynamic team. This position may require certain physical demands such as, but not limited to: sitting on the floor and lifting young children. Candidate must be eligible for DPI Special Education Program Aide License.

These positions have the possibility of becoming permanent full time positions for the 2020-2021 school year.
Please send letter of interest, resume, application, and letters of recommendation to:
Trish Teichmiller, Director of Special Education/Pupil Services
Lac du Flambeau Public School
2899 Highway 47
Lac du Flambeau, WI 54538

102, 103, 104, 1 WNAXLP



Get in on Something Great

Marshfield Medical Center - Minocqua Hospital is staffed by more than 70 physicians providing primary, urgent care and a variety of specialties including medical oncology and hematology services. The Minocqua Center facility was expanded to more than 100,000 .sq. ft., allowing for an increase providers in primary care, surgery and medical specialties.

Marshfield Medical Center - Minocqua Patient Care Career Fair Th. Feb. 20, 4pm - 8pm

Pointe Hotel & Suites in Minocqua
8269 US Hwy 51 S, Minocqua, WI

**Featured presentations by MCHS
leadership to learn more about the
hospital and services provided.**

**If you are unable to attend, please
apply online at:
marshfieldclinic.org/careers**

Marshfield Clinic Health System
1000 N. Oak Ave., Marshfield, WI 54449

Marshfield Clinic Health System is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to sex, gender identity, sexual orientation, race, color, religion, national origin, disability, protected veteran status, age, or any other characteristic protected by law or any other characteristic protected by law.



Marshfield Clinic Health System

LEGALS

PUBLIC NOTICE

The Lost Lake Protection and Rehabilitation District (the District) proposes to chemically treat approximately 30 acres of Lost Lake to control excessive growth of the exotic invasive aquatic plant, Curlyleaf pondweed (CLP).

Clean Lakes will conduct an application of the aquatic herbicide Aquathol K to infestations. It is anticipated that the treatment will occur sometime in spring, 2020 and will proceed only after the District obtains a permit for the treatment from the Wisconsin Department of Natural Resources.

There are no swimming, fishing or irrigation restrictions associated with the use of Aquathol K.

The District will hold a public informational meeting on the proposed treatments if five or more individuals, organizations, special units of government, or local units of government request one in writing.

The person or entity requesting the meeting shall state a specific agenda of topics including problems and alternatives to be discussed.

The request for a public informational meeting must be sent in writing to the Lost Lake Protection and Rehabilitation District, P.O. Box 425, St. Germain, WI 54558 and to Wisconsin Department of Natural Resources, 107 Sutliff Avenue, Rhinelander, WI 54501 within 5 days after the public notice is published.

101,102 WNAXLP

NOTICE OF PRIMARY ELECTION OF SCHOOL BOARD MEMBERS
(s120.06(8)(c), Wis. Stats.)

Notice is hereby given to the qualified electors of the Lakeland Union High School District that on Tuesday, February 18, 2020 a primary election of school board members will be held. Candidates for the following Lakeland Union High School Board seats are as follows:

School Board Members At-Large:

Brian J. Jackson
Tom Maulson
Heidi Fink
Dana M. Schmidt
Shari Nimsgern
Mark Pertile

Electors will vote for not more than two candidates from the at-large seats. The top four candidates will advance to the general election on April 7, 2020.

Electors will vote in their regular polling places. Polls will be open at 7:00 a.m. and close at 8:00 p.m.

Dated this 10th day of January 2020.

/s/Barbara A. Peck, School Board Clerk

Sample Electronic Primary Ballot School Board Ballot February 18, 2020

School District of the Towns of Arbor Vitae, Boulder Junction, Lac du Flambeau, Land O' Lakes, Manitowish Waters, Presque Isle and Winchester, Vilas County, and the Towns of Cassian, Hazelhurst, Lake Tomahawk, Minocqua, and Woodruff, Oneida County, State of Wisconsin.

Notice to Voters: THIS BALLOT MAY BE INVALID UNLESS INITIALED BY TWO (2) ELECTION INSPECTORS. IF CAST AS AN ABSENTEE BALLOT, THE BALLOT MUST BEAR THE INITIALS OF THE MUNICIPAL CLERK OR DEPUTY CLERK.

Instructions to Voters

To vote for a person whose name is printed on the ballot, make a cross (X) in the square at the LEFT of the name of the person for whom you desire to vote. To vote for a person whose name does not appear on the ballot, write the name in the blank space provided for the purpose.

School Board Members At-Large Vote for 2

- ☐ Brian J. Jackson
☐ Tom Maulson
☐ Heidi Fink
☐ Dana M. Schmidt
☐ Shari Nimsgern
☐ Mark Pertile

write-in: _____

write-in: _____

Sample Primary Ballot School Board Ballot February 18, 2020

School District of the Towns of Arbor Vitae, Boulder Junction, Lac du Flambeau, Land O' Lakes, Manitowish Waters, Presque Isle and Winchester, Vilas County, and the Towns of Cassian, Hazelhurst, Lake Tomahawk, Minocqua, and Woodruff, Oneida County, State of Wisconsin.

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- ☐ Brian J. Jackson
☐ Tom Maulson
☐ Heidi Fink
☐ Dana M. Schmidt
☐ Shari Nimsgern
☐ Mark Pertile

write-in: _____

write-in: _____



CULINARY STAFF NEEDED

Red Crown Lodge is a private resort located on Trout Lake in Arbor Vitae. Red Crown Lodge has an excellent opportunity for two seasonal culinary staff positions starting in the Spring of 2020.

Breakfast Chef - Assistant to the Head Chef

Part-Time Position: 25 Hours / Per Week

- *Must have cooking and food preparation experience.*
- *Willingness to assist with food prep for lunch & dinner, as required.*
- *Ensure dishes are prepared to the correct recipe & quantity.*
- *Assist with opening & shutdown of Main Lodge Kitchen.*
- *Ensure that kitchen is clean and hygienic.*
- *Position will work from Mid-April thru October. Some weekends required.*

Part-Time Baker - Breakfast Pastries, Cookies

Part-Time Position: 10-15 Hours / Per Week

- *Preparing desserts and pastries from scratch.*
- *Ability to facilitate quality and consistency in all food presentation.*
- *Willingness to learn new recipes.*
- *Responsible for keeping work place clean and restocked.*
- *Position will work primarily weekday hours. Some Saturdays may be required.*

Candidates must have a strong work ethic, relevant experience, clean and professional appearance and demeanor, attention to detail, and the willingness to be an active and enjoyable participant of the Red Crown team.

A schedule will be worked out that is agreeable to both parties. Competitive hourly wage provided. For immediate consideration, please forward a current resume to:

Sheryl Tharman, General Manager
P.O. Box 1460
Arbor Vitae, WI 54568
Tel: 715.385.2709 • Fax: 715.385.2015
sheryl@redcrownlodge.com



Looking for event photos?

Check out more photos online at:

www.the-lakeland-times.smugmug.com

SmugMug

Northwoods **CLASSIFIEDS**
Outstanding reach on the web and readership with our publications!

PLACE AN AD TODAY!
Call 715-356-5236
or visit www.lakelandtimes.com

Endothall Chemical Fact Sheet

Formulations

Endothall is the common name of the active ingredient endothal acid (7-oxabicyclo[2,2,1]heptane-2,3-dicarboxylic acid). Endothall products are used to control a wide range of terrestrial and aquatic plants. Both granular and liquid formulations of endothall are available for aquatic use in Wisconsin. Two types of endothall are available: dipotassium salt (such as Aquathol®) and monoamine salts (such as Hydrothol 191). Trade names are provided for your reference only and are neither exhaustive nor endorsements of one product over another.

Aquatic Use and Considerations

Endothall is a contact herbicide that prevents certain plants from making the proteins they need. Factors such as density and size of the plants present, water movement, and water temperature determine how quickly endothall works. Under favorable conditions, plants begin to weaken and die within a few days after application.

Endothall products vary somewhat in the target species they control, so it is important to always check the product label for the list of species that may be affected. Endothall products are effective on Eurasian watermilfoil (*Myriophyllum spicatum*) and also kill desirable native species such as pondweeds (*Potamogeton* spp.) and coontail (*Ceratophyllum* spp.). In addition, Hydrothol 191 formulations can also kill wild celery (*Vallisneria americana*) and some species of algae (*Chara*, *Cladophora*, *Spirogyra*, and *Pithophora*).

Endothall will kill several high value species of aquatic plants (especially *Potamogeton* spp.) in addition to nuisance species. The plants that offer important values to aquatic ecosystems often resemble, and may be growing with those plants targeted for treatment. Careful identification of plants and application of

endothall products is necessary to avoid unintended harm to valuable native species.

For effective control, endothall should be applied when plants are actively growing. Most submersed weeds are susceptible to Aquathol formulations. The choice of liquid or granular formulations depends on the size of the area requiring treatment. Granular is more suited to small areas or spot treatments, while liquid is more suitable for large areas.

If endothall is applied to a pond or enclosed bay with abundant vegetation, no more than 1/3 to 1/2 of the surface should be treated at one time because excessive decaying vegetation may deplete the oxygen content of the water and kill fish. Untreated areas should not be treated until the vegetation exposed to the initial application decomposes.

Post-Treatment Water Use Restrictions

Due to the many formulations of this chemical the post-treatment water use restrictions vary. Each product label must be followed. For all products there is a drinking water standard of 0.1 ppm and can not be applied within 600 feet of a potable water intake. Use restrictions for Hyrdtohol products have irrigation and animal water restrictions.

Herbicide Degradation, Persistence and Trace Contaminants

Endothall disperses with water movement and is broken down by microorganisms into carbon, hydrogen, and oxygen. Field studies show that low concentrations of endothall persist in water for several days to several weeks depending on environmental conditions. The half-life (the time it takes for half of the active ingredient to degrade) averages five to ten days. Complete degradation by microbial action is 30-60 days. The initial breakdown product of endothall is an amino acid, glutamic acid, which is rapidly consumed by bacteria.

Impacts on Fish and Other Aquatic Organisms

At recommended rates, the dipotassium salts (Aquathol and Aquathol K) do not have any apparent short-term effects on the fish species that have been tested. In addition, numerous studies have shown the dipotassium salts induce no significant adverse effects in aquatic invertebrates (such as snails, aquatic insects, and crayfish) when used at label application rates. However, as with other herbicide use, some plant-dwelling populations of aquatic organisms may be adversely affected by application of endothall formulations due to habitat loss.

In contrast to the low toxicity of the dipotassium salt formulations, laboratory studies have shown the monoamine salts (Hydrothol 191 formulations) are toxic to fish at dosages above 0.3 parts per million (ppm). In particular, the liquid formulation will readily kill fish present in a treatment site. By comparison, EPA approved label rates for plant control range from 0.05 to 2.5 ppm. In recognition of the extreme toxicity of the monoamine salt, product labels recommend no treatment with Hydrothol 191 where fish are an important resource.

Other aquatic organisms can also be adversely affected by Hydrothol 191 formulations depending upon the concentration used and duration of exposure. Tadpoles and freshwater scuds have demonstrated sensitivity to Hydrothol 191 at levels ranging from 0.5 to 1.8 ppm.

Findings from field and laboratory studies with bluegills suggest that bioaccumulation of dipotassium salt formulations by fish from water treated with the herbicide is unlikely. Tissue sampling has shown residue levels become undetectable a few days after treatment.



Human Health

Most concerns about adverse health effects revolve around applicator exposure. Liquid endothall formulations in concentrated form are highly toxic. Because endothall can cause eye damage and skin irritation, users should minimize exposure by wearing suitable eye and skin protection.

At this time, the EPA believes endothall poses no unacceptable risks to water users if water use restrictions are followed. EPA has determined that endothall is not a neurotoxicant or mutagen, nor is it likely to be a human carcinogen.

For Additional Information

Environmental Protection Agency
Office of Pesticide Programs
www.epa.gov/pesticides

Wisconsin Department of Agriculture, Trade,
and Consumer Protection
<http://datcp.wi.gov/Plants/Pesticides/>

Wisconsin Department of Natural Resources
608-266-2621
<http://dnr.wi.gov/lakes/plants/>

Wisconsin Department of Health Services
<http://www.dhs.wisconsin.gov/>

National Pesticide Information Center
1-800-858-7378
<http://npic.orst.edu/>

