



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor
Cathy Stepp, Secretary
John Gozdziński, Regional Director

Northern Region Headquarters
810 W. Maple Street
Spooner, Wisconsin 54801
Telephone 715-635-2101
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May 3, 2016

Permit # NO-2016-07-668

Round Trade Lake Improvement Association, Inc.
Jason Klous
2870 218th St.
Cushing, WI 54006

Dear Mr. Klous:

Enclosed you will find your approved Aquatic Plant Management permit for chemical treatment on the Little Trade in Burnett County. Your application has been approved for the area described and may not be expanded. Details of the approved treatment area are as follows:

Township 37N Range 18W Sec. 21

Specific Project Description (as shown on application form).

1. CLP and EWM control on the attached described sites covering a maximum of 13.19 acre(s).
2. Disturbance of wild rice is prohibited.
3. Treatments to be scheduled to avoid inclement weather and winds that would hinder efficacy.
4. All requirements for notification according to NR 107.07 (3) must be satisfied prior to treatment.
5. All riparian residents within 150 feet of a treated areas must be properly notified per NR107.04(4).
6. All requirements for posting of treated areas according NR 107.08(7). The permit holder shall be responsible for posting those areas of use in accordance with water use restrictions stated on the chemical label, but in all cases for a minimum of one day.

Please note these selected permit conditions (refer to Section NR 107.08 for complete details):

1. Four-day advance notification of treatment is required unless exempted in Section VII of the application.
2. Treatment sites must be posted a minimum of one day or as specified in the use restrictions on the chemical label.
3. The Aquatic Plant Treatment Record must be submitted within 30 days after treatment or by October 1 if no treatment occurs.
4. "All equipment used for the project shall be de-contaminated following the most current protocols for invasive and exotic viruses and species prior to use and after use.

Thank you for complying with the provisions of Wis. Adm. Code NR 107 concerning the use of aquatic pesticides for plant management. Feel free to contact Mark Sundeen at the Spooner Service Center at 715/635-4074 for further information.

Sincerely,



John Gozdzialski
Northern Region Director

Enc.

Date Mailed May 3 2016

**Chemical Aquatic Plant Control Application and Permit
 Wisconsin Pollutant Discharge Elimination System (WPDES)
 Pesticide Pollutant Permit Application**
 Form 3200-004 (R 11/11) Page 1 of 4

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 <i>No-2016-07-668</i>	Permit Expiration Date <i>10/1/2016</i>
Waterbody # <i>2639300</i>	Fee Received <i>370.00</i>

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 Round Trade Lake Improvement Association Inc, Jason Klous			Lake Address	Name		
	Street Address 2870 218 th Street				Street Address		
	City Cushing	State WI	ZIP Code 54006		City Frederic	State WI	ZIP Code 54837
	Phone Number (include area code) Primary: (612) 221-1832 Secondary: (651) 634-4652				Email Address rtliapresident@gmail.com		

Section II – Aquatic Plant Control Location

Waterbody to be Treated (waterbody where treatment area is located) Little Trade Lake				Lake Surface Area 434 acres	Estimated Surface Area that is 10 Feet or Less in Depth 100 acres
County Burnett	Section 21	Township 37 N	Range 18	Name of Applicator or Firm Northern Aquatic Services, Dale Dressel	
Latitude:				Longitude:	
Is the waterbody a private pond? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				City Dresser	
Does the waterbody have public access? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				State WI	
Adjacent Riparian Property Owner Names (attach sheets if necessary)				ZIP Code 54009	
1. <u>All will be notified prior to treatment.</u>				County Polk	
2. _____				Phone Number (include area code) (715) 495-5252	
3. _____				Email Address ddressel@centurytel.net	
4. _____				Applicator Certification Number for Category 5 Aquatic Pesticide Application 061742	
5. _____				Business Location License Number (if applicable)	
6. _____				Restricted Use Pesticide License Number (if applicable)	
7. _____					
Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate) Jason Klous					

Area(s) Proposed for Control: (Note details in permit cover letter for final permitted sizes of treatment areas.)

Treatment Length	Treatment Width	Estimated Acreage	Average Depth	Total Estimated Acres
A. _____ ft.	X _____ ft.	+ 43,560 ft. ²	= _____ ft.	
B. _____ ft.	X _____ ft.	+ 43,560 ft. ²	= _____ ft.	Total from lines A - E _____
C. _____ ft.	X _____ ft.	+ 43,560 ft. ²	= _____ ft.	Total from Attached Sheets _____
D. _____ ft.	X _____ ft.	+ 43,560 ft. ²	= _____ ft.	
E. _____ ft.	X _____ ft.	+ 43,560 ft. ²	= _____ ft.	Grand Total 13.19

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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	DNR Use: NHI Review? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Describe:
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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:

Basic Permit Fee (non-refundable) \$ 20.00

If proposed treatment is over 0.25 acre, calculate acreage fee:
(round up to nearest whole acre, to maximum of 50 acres.)

14 acres X \$25 per acre = \$ 350

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

Enter Acreage Fee (from above) 350

Total Fee Enclosed \$ 370

- 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:

- Reduce nuisance algae accumulation
- Maintain navigational channel for common use
- Maintain private access for boating
- Maintain private access for fishing
- Improve swimming
- Control of purple loosestrife
- Control of invasive exotics
- 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

Myriophyllum spicatum

Potamogeton crispus

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

Section V – Chemical Control

Alternatives to Chemical Control:

Alternatives to Chemical Control:	Feasible?		If No, Why Not?
1. Mechanical harvesting	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<u>just regrow</u>
2. Hand pulling	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<u>treatment area too large, just regrow</u>
3. Hand raking	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<u>treatment area too large, just regrow</u>
4. Hand cutting	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<u>treatment area too large, just regrow</u>
5. Sediment screens/covers	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<u>not good for benthic creatures</u>
6. Dredging	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<u>too expensive</u>
7. Lake drawdown	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<u>not possible, no dam</u>
8. Nutrient controls in watershed	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	_____
9. Other: _____	<input type="checkbox"/> Yes	<input type="checkbox"/> 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:

A lake management planning grant was recently awarded to study the watershed of the Trade Lakes Chain.

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WPDES Pesticide Pollutant Permit Application

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Section V – Chemical Control (continued)

Trade Name of Proposed Chemical(s)

Reward or Tribune being Diquat

Aquathol K

DMA 4, Shredder, or Navigate

Method of Application: sub-surface injection, granular cyclone spreader

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?

2011 Treatment: Navigate (4.0 ppm) on 4.23 acres - no CLP management, EWM reduced

2012 Treatment: Navigate (4.0 ppm) on 4.13 acres - no CLP management completed, EWM declined 50% post-treatment, but increased over 2011 in fall survey

2013 Treatment: Aquathol K (2.0 ppm) and DMA 4 (3.0 ppm) on 5.06 acres - 5.06 acres of CLP treated, only 2.34 acres of EWM treated. Both treated at the same time.

2013 EWM Results: great outside the north bay where endothall was used, not good in the north bay.

2013 CLP results: good in both the north bay and the rest of the lake.

2014 Treatment: none completed due to high water

2015 Treatment used Aquathol K at 2.5 ppm and Super K at 3 ppm with good results.

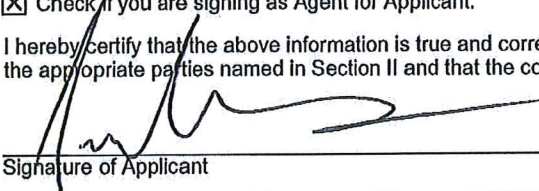
Note: Chemical fact sheets for aquatic pesticides used in Wisconsin are available from the Department of Natural Resources upon request.

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.

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

4/10/16
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.

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Section VII – WPDES Permit Request

Is WPDES coverage being requested? Refer to <http://dnr.wi.gov/org/water/wm/ww/aquaticpesticides.htm> for more information.

Yes No If no, you do not need to complete this section.

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 2011.

Application fee received?

Yes No

State of Wisconsin
Department of Natural Resources
For the Secretary

Advance notification of treatment required?

Yes No

By Mark Sundeen
Regional Director or Designee

Date Signed

Date Mailed

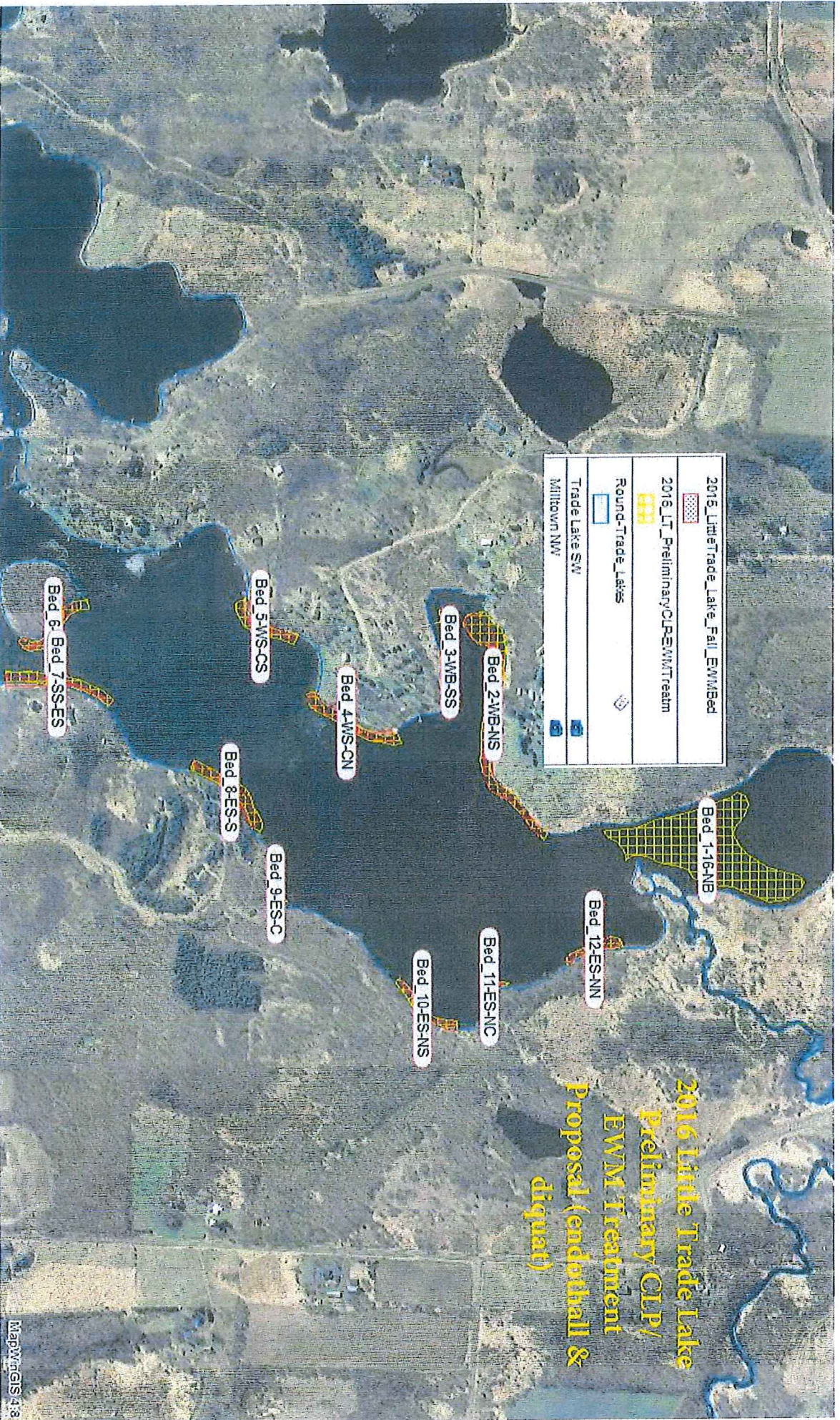
Please Note:

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.



Little Trade Lake 2016 Preliminary CLP/EWM Treatment Proposal

			CLP/EWM — Diquat (Reward)		CLP/EWM - Endothall (Aquathol K)	
Treatment Site	Mean Depth (feet)	Volume (acre-feet)	Treatment application rate (gal/ac-ft)	Treatment application rate (gal/ac-ft)	Treatment application rate (gal/ac-ft)	Treatment application rate (gal/ac-ft)
1-16	6.41	3.0	NA	9.6	0.50	
2-16	2.04	4.0				3.0
3-16	0.46	4.0				16.3
4-16	0.70	5.0				4.8
5-16	0.51	5.0				4.0
6-16	0.57	4.0				9.1
7-16	0.74	5.0				6.6
8-16	0.72	4.0				5.9
9-16	0.14	3.0				4.0
10-16	0.41	4.0				9.6
11-16	0.13	4.0				7.5
12-16	0.36	4.0				4.0
Total	13.19	48.16		9.6		70.3
Reward (liquid diquat)			CLP/EWM Treatment (10.69 acres); early spring application			

Reward (liquid Diquat)	0.25-0.5 gallons/acre-ft	\$150/gallon x 10 = \$1,500.00
Aquathol K (liquid endothall)	3.0-4.0 ppm	\$120/gallon x 71 = \$8,520.00
\$10,020.00		

Target endothol ai (ppm)	lbs/ac-ft
0.75	3.30
1.0	4.40
1.5	6.60
2.0	8.80
3.0	13.20
4.0	17.60
5.0	22.00

Target endothall a.i. (ppm)	gal/ac-ft
0.75	0.45
1.00	0.60
1.50	1.00
2.00	1.33
2.50	1.67
3.00	2.00
4.00	2.60

Aquathol Super K (granular)

Aquathol K (liquid)

Little Trade Lake 2016 Preliminary CLP/EWM Treatment Proposal - Diquat

Eurasian Watermilfoil — Diquat (Reward)										
Treatment Location	Site Name	Acreage	Mean Depth (feet)	Volume (acre-feet)	Max Label Treatment Rate (2 gal/acre)	Application rate (gal/ac-ft)	Max allowed diquat ion (2lbs/gallon)	Total diquat ion (mg) (Col.M x 453594)	Treatment a.i. ppm (Col.L/12334 81.84)	Exceeds label or DNR rate
	1-16	6.41	3.0	19.23	9.60	0.499	0.998	452884.368	0.367	no
Total		6.41		19.23	9.60					
EWM Treatment (13.19 acres); early spring application										

Reward (liquid Diquat)	0.25-0.5 gallons/acre-ft	\$150/gallon x 10 = \$1,500.00
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