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LETTER OF TRANSMITTAL

▲ Northern EnvironmentalSM
 Hydrologists • Engineers • Surveyors • Scientists

1203 Storbeck Drive Phone: 1-920-324-8600
 Waupun, Wisconsin 53963 Toll Free: 1-800-498-3921
 Fax: 1-920-324-3023

DATE : 03/28/2008	PROJECT NO. WIL 08-5500-00934
ATTENTION: Brenda Nordin	
AIS Rapid Response Grant Application for <u>Wilson Lake, Waushara County</u>	

TO: Brenda Nordin - WDNR

2984 Shawano Ave.

Green Bay, WI 54307

- WE ARE SENDING YOU:**
- Attached Under separate cover
- Shop drawings Specifications Plans
- Copy of letter Samples Change order

Copies	Description
1	AIS Rapid Response Grant and all applicable attachments

- THESE ARE TRANSMITTED (see code)**
- For approval No exceptions taken Resubmit _____ copies for review
- For your use Make noted corrections Submit _____ copies for distribution
- As requested Amend & resubmit, Return _____ corrected prints
- For review and comment _____
- For bids due _____ 20_____

REMARKS: ... Attached is an aquatic invasive species control grant – rapid response for Wilson Lake, Waushara County. The purpose of this grant is to provide funding for the Kusel, Wilson, & Round Lakes P & R District to treat a re-established infestation of curly-leaf pondweed.

Please call if you have any questions.

COPY TO: Sterling Strause

SIGNED: James Scharl

AIRR-037-08

**AQUATIC INVASIVE SPECIES GRANT APPLICATION
EARLY DETECTION AND RAPID RESPONSE**

TREATMENT OF RE-ESTABLISHED CURLY-LEAF PONDWEED

**WILSON LAKE
WAUSHARA COUNTY, WISCONSIN**

March 28, 2008

Prepared For:

Kusel, Wilson, Round Lakes P & R District
C/o Sterling Strause
N5389 Lily Pad Lane
Wild Rose, WI 54984

Prepared By:

Northern Environmental Technologies, Incorporated
1203 Storbeck Drive
Waupun, WI 53963

Project Number: WIL 08-5500-0934

TABLE OF CONTENTS

1.0 STRATEGY SUMMARY 2

2.0 INTRODUCTION 2

 2.1 Lake Location and Characteristics 2

 2.2 Lake Project and Management History 2

 2.3 Current AIS Infestation 3

3.0 AIS CONTROL 3

 3.1 Aquatic Herbicides 3

 3.2 Treatment Strategy 3

 3.3 Project Methods and Activities 3

 3.4 Schedule of Events 4

 3.5 Designation of Responsibility 5

4.0 Itemized Breakdown of Expenses 5

6.0 REFERENCES 6

FIGURES

Figure 1: Lake Location

ATTACHMENTS

AIS Control Grant Application 3 pages

Resolution 1 page

Permit Application for Chemical Aquatic Plant Control 4 pages

2008 Proposed Treatment Areas Map1 page

1.0 STRATEGY SUMMARY

Northern Environmental Technologies, Incorporated (Northern Environmental) was contracted by the Kusel, Wilson, Round Lakes Protection and Rehabilitation District to control the current infestation of curly-leaf pondweed (*Potamogeton crispus* - CLP) and to prevent the re-colonization of this plant into the Wilson Lake. The AIS strategy includes the implementation of the following management activities:

- Pre-treatment survey for AIS in spring 2008
- Chemical treatment of AIS in spring 2008
- Post-treatment survey in early June 2008

2.0 INTRODUCTION

2.1 Lake Location and Characteristics

Wilson Lake is located in Waushara County, Wisconsin near the town of Wild Rose. Water level on the lake is maintained by a low-head dam on the north shore. Characteristics of Wilson Lake are described below.

Lake Type:	Seepage
Surface Area:	81 acres
Maximum Depth:	12 feet
Shoreline Length:	2.08 miles
Public Facilities:	2 Public Boat Ramps

2.2 Lake Project History and Management

Eurasian water-milfoil (*Myriophyllum spicatum* – EWM) was discovered in Wilson Lake in 1999, prompting management efforts. In 2000-2001, the first aquatic plant management (APM) plan was written in response to the growing concern over EWM infestations. A full aquatic plant survey was conducted in May, 2000 in conjunction with the APM; no CLP plants were sampled during the 2000 survey. This plan provided a plant management base for five years (until 2006) for Wilson Lake (Cason, 2001).

Additional aquatic plant surveys and APM plan updates were conducted yearly from 2001-2004. Each survey was used to evaluate success of chemical treatments for EWM and to update the 2001 APM plan. CLP was first found during the 2001 survey and it was noted that the plant may potentially become a problem within Wilson Lake (Cason, 2002).

By 2003 CLP had reached nuisance levels with 16.8 acres surveyed. Management actions for CLP were added to the existing APM plan and chemical treatment occurred in July, 2003 and again in May, 2004 & 2005. No CLP was found or treated in 2006 (Roost, 2006) and it was generally concluded that the CLP had been eradicated.

The original APM plan was scheduled for revision at the end of 2006 and the need for a new plan was addressed. In 2007, Northern Environmental began work on an updated APM plan for Wilson Lake. A spring survey revealed a re-establishment of CLP and seven acres were treated. A full point-intercept aquatic plant survey was completed in conjunction with a new APM plan in 2007 calling for CLP reduction.

2.3 Current AIS Infestations

Northern Environmental completed a complete point-intercept plant survey in July 2007 and observed CLP at one sample point. However, this occurred after CLP had died off for the year and more locations were recorded during the pre-treatment survey that spring. Currently, the infestation of CLP is estimated at ten acres. EWM was visually noted at one sample point, and will not be treated during the 2008 calendar year.

3.0 AIS CONTROL

3.1 Aquatic Herbicides

Northern Environmental will conduct a pre-treatment survey for CLP and EWM within two weeks of ice-out in spring 2008. The pre-treatment survey will serve as the basis for the aquatic herbicide treatment of CLP and will confirm the presence of CLP within designated treatment areas.

The chemical treatment will occur when the water temperature is at or near 60°F. All areas of CLP will be chemically treated and the treatment will be in accordance with the permit requirements under Wisconsin Administrative Code NR 107. CLP will be treated with an endothal-based herbicide such as Aquathol.

A post-treatment survey will be conducted in June 2008 to evaluate the effectiveness of the chemical treatment and to map any remaining areas of EWM and CLP.

3.2 Treatment Strategy

The focus of the herbicide treatment will be towards reducing the acreage of CLP present in Wilson Lake by 80% by 2013 in accordance with the current APM plan. A permit to treat an anticipated ten acres will be applied for using the chemical Aquathol-K. This chemical has shown to be effective in treating CLP and will be applied at a rate of three gallons per treated acre. The total area to be treated may be adjusted according to the 2008 pre-treatment survey. Though EWM will not be treated in 2008, areas of infestation will be noted during the pre & post-treatment surveys and, if necessary, be treated in the future. Additional treatments after 2008 may be required and areas to be treated will be adjusted on a yearly basis with pre and post-treatment surveys.

3.3 Project Methods and Activities

In order to achieve desired results, the proposed work plan consists of the following tasks:

- Task 1.0 Conduct pre-treatment CLP survey
- Task 2.0 Conduct chemical treatment & post-treatment AIS survey

Task 1.0 Conduct Pre-treatment CLP Survey

Northern Environmental will conduct a pre-treatment survey for CLP within two weeks of ice-out in spring, 2008. The pre-treatment survey will be conducted to confirm the 10-acre treatment areas established during 2007. The designated treatment area may be reduced in size if CLP is found to be less abundant.

Task 2.0 Conduct Chemical Treatment of CLP & Post-treatment AIS Survey

CLP areas confirmed during the pre-treatment survey will be treated by Northern Environmental. For purposes of this proposal, approximately 10 total acres are assumed to require treatment. This acreage may be lessened during the pre-treatment survey. To ensure that only CLP is targeted, a selective herbicide approved by the Environmental Protection Agency and WDNR will be in June, based on water temperatures, to minimize impacts to native aquatic plant communities. An early chemical treatment will occur once water temperatures reach 60° F.

Northern Environmental will complete a follow-up site visit to document treatment success and determine if success is within the range outlined by the updated APM plan. The effect of the herbicide will be determined by examining the relative abundance and distribution of CLP plant species before and after treatment. The post-treatment survey will be conducted in four to six weeks post-treatment date. At this time a possible follow up treatment may occur in permitted areas.

Treatment success will be measured against desired goals outlined in the current APM and necessary changes to treatment strategy will be implemented if goals are not met.

3.4 Schedule of Events

The following table describes a schedule of required activities for the CLP chemical treatment Wilson Lake.

Activity	Frequency	Date
Mapping of EWM and CLP or post-treatment survey	Annually	4-6 weeks after date of treatment
Establish Priority Treatment Areas	Annually	October 30 th
Prepare NR 107 Permit Application for grant and conditional permit purposes	Annually	December 1 st
Prepare DRAFT WDNR AIS Control Grant Application	Annually/Multi-year	January 1 st
Submit WNDR AIS Control Grant Application*	Annually	February 1 st
Pre-treatment Survey	Annually	2 weeks after ice-out or when EWM plants are approximately 6 inches tall
EWM/CLP treatment**	Annually	Before May 31 st or before water temperatures reach 60°F
Lake Association Budget Voting	Annually	??
Town Budget Voting	Annually	??
Lake wide Aquatic Plant Survey	Every 5 years	To be determined
Update APM Plan	Every 5 years	To be determined

* = August 1st is a second AIS Control grant deadline.

** = Activity will not be completed until water temperature reaches approximately 60 degrees Fahrenheit.

3.5 Designation of Responsibility

The following table assigns responsibility for the EWM/CLP treatment program events listed above. When the Town or Association is identified as a responsible party, these entities should identify which individual, or committee should complete the specified activity. For example, the Town of Pierce may elect to form a committee to review association authored grant applications and submit grant applications to the WDNR.

Activity	Responsible Party
Mapping of EWM and CLP and pre/post-treatment EWM/CLP survey	Aquatic Plant Professional or with assistance from trained volunteers
Establish Priority Treatment Areas	Kusel, Wilson, & Round Lakes P & R District, WDNR, and aquatic plant professional
Prepare NR 107 Permit Application (<i>for grant purposes</i>)	Certified/Licensed Applicator or Lake District
Prepare DRAFT WDNR AIS Control Grant Application	Environmental consulting firm or Lake District
Submit WDNR AIS Control Grant Application	Environmental consulting firm or Lake District
Pre-treatment EWM/CLP Survey	Aquatic Plant Professional
EWM/CLP treatment	Certified/Licensed Applicator
Lake District Budget Voting	Kusel, Wilson, & Round Lakes P & R District
Lake wide Aquatic Plant Survey	Aquatic Plant Professional hired by Lake District
Update APM Plan	Aquatic Plant Professional, Lake District, and WDNR

4.0 ITEMIZED BREAKDOWN OF EXPENSES

The following table provides a breakdown of the project expenses by each major project task. These consulting service costs include labor, equipment, travel time, and direct costs to complete the designated tasks.

TASKS	DESCRIPTION	ESTIMATED COST
1.0	Pre-treatment survey	\$2000.00 (includes \$300.00 for required mailing to riparian landowners within treatment areas)
2.0	Chemical treatment & Post-treatment survey	\$3500.00

5.0 REFERENCES

While not all references are specifically cited, the following resources were used in preparation of this report.

Borman, Susan, Robert Korth, and Jo Temte, *Through the Looking Glass, A Field Guide to Aquatic Plants*, Wisconsin Lakes Partnership, 1997.

Cason, Brad. *Management of Aquatic Plants in Wilson Lake: 2001-2006*. Aquatic Biologists, Inc. 2001.

Cason, Brad. *Wilson Lake 2002 Aquatic Plant Survey and Water Quality Monitoring Results*. Aquatic Biologists, Inc. 2002.

Fassett, Norman C., *A Manual of Aquatic Plants*, The University of Wisconsin Press, Madison, Wisconsin, 1975.

Getsinger, Kurt D., and H.E. Westerdahl, *Aquatic Plant Identification and Herbicide Use Guide, Volume II Aquatic Plants and Susceptibility to Herbicides*, U.S. Army Corps of Engineers Waterways Experiments Station, Technical Report A-88-9, 1988.

North America Lake Management Society of Aquatic Plant Management Society (NALMS), *Aquatic Plant Management in Lakes and Reservoirs*, 1997.

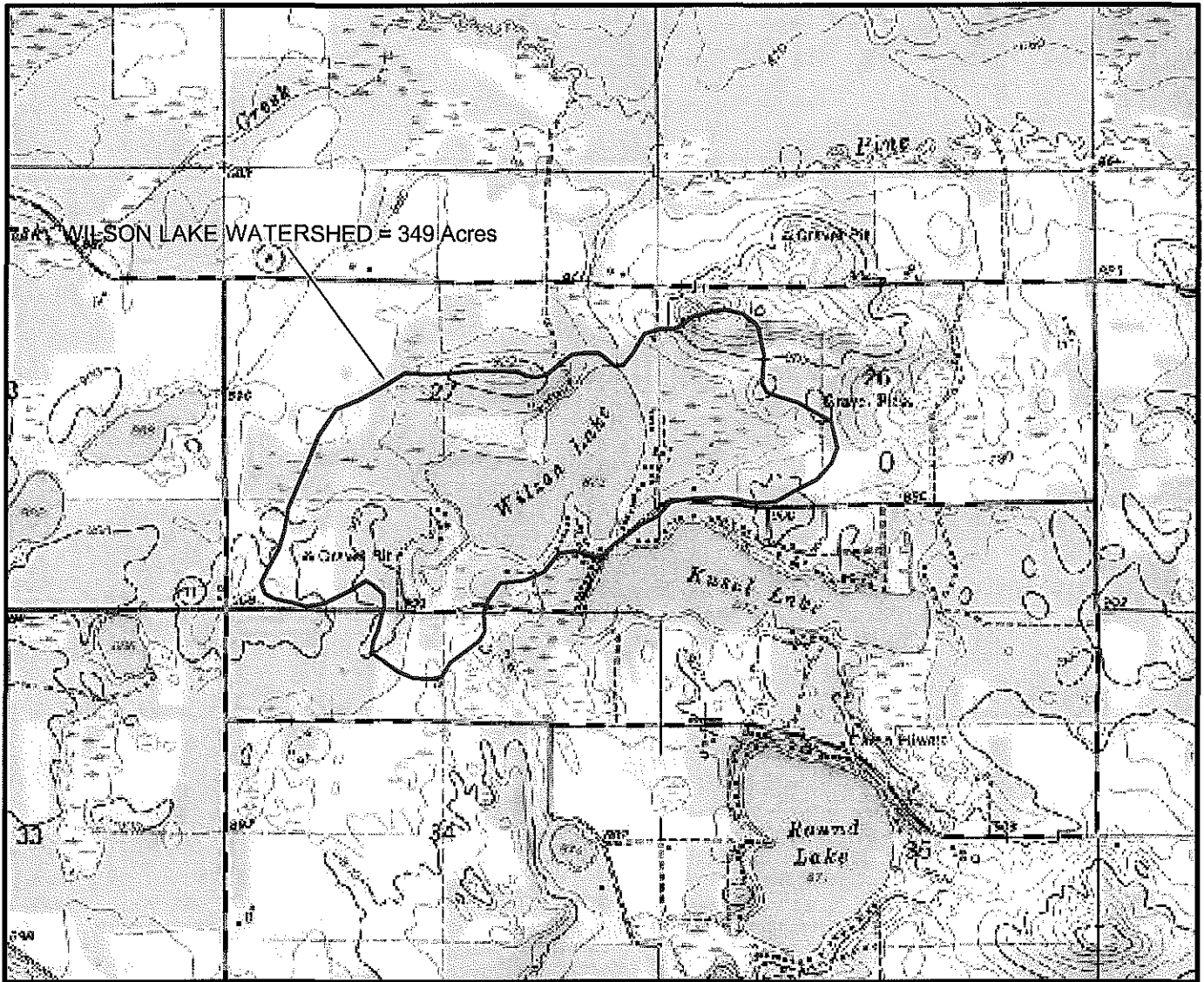
Roost, Brad. *An Evaluation of Sediments and Water Quality in Wilson Lake, Waushara County, Wisconsin*. Wisconsin Lake & Pond Resource, LLC. 2006.

Wisconsin Department of Natural Resources, *Aquatic Plant Management in Wisconsin DRAFT (not for distribution)*, April 25 2005.

Wisconsin Department of Natural Resources, *Aquatic Invasive Species Website* (<http://dnr.wi.gov/invasives/aquatic/>), Accessed October 2006.

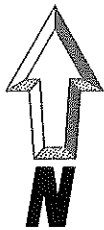
Wisconsin Department of Natural Resources, *Wisconsin Lakes*, Publication # PUB-FH-800, 2005.

FIGURES



SCALE IN FEET

1" = 2000'



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, WILD ROSE, WISCONSIN, 1983 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)

Northern Environmental SM

Hydrologists • Engineers • Surveyors • Scientists

1203 Storbeck Drive, Waupun, Wisconsin 53963

Phone: 800-498-3921 Fax: 920-324-3023

WISCONSIN ▲ MICHIGAN ▲ ILLINOIS ▲ IOWA

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**PROPERTY LOCATION
& LOCAL TOPOGRAPHY**

WILSON LAKE
TOWN OF SPRINGWATER
WAUSHARA COUNTY, WISCONSIN

ATTACHMENTS

Notice: Use of this form is required by the DNR for any application filed pursuant to ch. NR 198, Wis. Adm. Code. Personal information collected on this form, including such data as your name, address, phone number, etc., will be used for management and enforcement of DNR programs, and is not intended to be used for any other purpose. Information may be made accessible to requesters under Wisconsin's Open Records laws (s. 19.32-19.39, Wis. Stats.) and requirements.

Section I: Application Type

Check one:

- Education, Prevention & Planning Projects Early Detection & Rapid Response Projects Established Infestation Control Projects

Legislative District Numbers		To determine your legislative district, go to http://165.189.139.210/WAML/ Type in complete address, next screen shows information.
Senate	Assembly	
14	41	

Section II: Applicant Information

Applicant <i>Kusel, Wilson, + Round Lakes P&R District</i>			Type of Eligible Lake or River Applicants <input type="checkbox"/> County <input type="checkbox"/> Tribe <input type="checkbox"/> Other Governmental Unit <input type="checkbox"/> City <input type="checkbox"/> Sanitary District <input type="checkbox"/> Non Profit Conservation Organization <input type="checkbox"/> Village <input checked="" type="checkbox"/> District <input type="checkbox"/> Town <input type="checkbox"/> Association <input type="checkbox"/> School Districts (Planning)				
Waterbody Name <i>Wilson Lake</i>			Project County/Township/Section/Range <i>Waushara / Springwater / 527 T20N R1E</i>				
Authorized Representative Named by Resolution <i>Sterling Sprause</i>							
Authorized Representative Title <i>Commissioner</i>			Project Contact Name <i>Sterling Sprause</i>				
Address <i>N5389 Lily Pad Lane</i>			Address <i>N5389 Lily Pad Lane</i>				
City <i>Wild Rose</i>	State <i>WI</i>	ZIP Code <i>54984</i>	City <i>Wild Rose</i>	State <i>WI</i>	ZIP Code <i>54984</i>		
Daytime Phone (area code) <i>(920) 622-3936</i>		Evening Phone (area code) <i>same</i>		Daytime Phone (area code) <i>(920) 622-3936</i>		Evening Phone (area code) <i>same</i>	
E-mail Address <i>sterling@centurytel.net</i>			E-Mail Address <i>sterling@centurytel.net</i>				

Mail Check to: (if different from applicant)

Name and Title		Address		
Organization		City	State	ZIP Code

For DNR Use Only

Application Type	Date Received	Date Reviewed (AIS/LC/RC)	AIS/Lake /River Coordinator Approval /Date
Waterbody ID#	Adequate Public Access <input type="checkbox"/> Yes <input type="checkbox"/> No		Environmental Grants Specialist Approval / Date
Eligible Project <input type="checkbox"/> Yes <input type="checkbox"/> No	Eligible Applicant <input type="checkbox"/> Yes <input type="checkbox"/> No		Project Priority Rank
Prior Grant Award(s) <input type="checkbox"/> Yes <input type="checkbox"/> No	Fiscal Year(s)	Amount Received To Date \$	Project Awarded <input type="checkbox"/> Yes <input type="checkbox"/> No

Aquatic Invasive Species (AIS) Control Grant Application

Form 8700-307 (11/07)

Page 2 of 3

Section III: Project Information

Project Title <i>Treatment of Re-Established Curly-leaf Pondweed</i>		Proposed Ending Date <i>12/31/2008</i>	
Other Management Units	Letter of Support	Other Management Units	Letter of Support
1.	<input type="checkbox"/>	4.	<input type="checkbox"/>
2.	<input type="checkbox"/>	5.	<input type="checkbox"/>
3.	<input type="checkbox"/>	6.	<input type="checkbox"/>

Section IV: Public Access

Number of Public Vehicle Trailer Parking Spaces Available at Public Access Sites: *6+*

Number of Public Access Sites Including Boat Launches and Walk-ins: *2*

Section V: Cost Estimate and Grant Request

Section V must be completed or application will be returned.
Details in support of Section V are welcome.

	Project Costs		
	Column 1 Cash Costs	Column 2 Donated Value	DNR Use Only
1. Salaries, wages and employee benefits			
2. Consulting services			
3. Purchased services--printing and mailing	<i>5200.00</i>		
4. Other purchased services (specify):	<i>300.00</i>		
5. Plant material			
6. Supplies (specify)			
7. Depreciation on equipment			
8. Hourly equipment use charges			
9. State Lab of Hygiene (SLOH) Costs			
10. Non-SLOH Lab Costs			
11. Other (specify)			
12. Subtotals (sum each column)			
13. Total Project Cost Estimate (sum of column 1 plus sum of column 2)		<i>5500.00</i>	
14. State Share Requested (up to 50 ⁷⁵ % of total costs may be requested)		<i>4125.00</i>	

Subject to the following maximum grant amounts:

- Education, Prevention and Planning Projects--up to \$75,000
- Early Detection and Rapid Response Projects--up to \$10,000
- Established Infestation Control Projects--up to \$75,000

Section VI: Attachments (check all that are included)

A. For all applicants: (Refer to instructions for applicability.)

- 1. Authorizing resolution
- 2. Letters of support
- 3. Map of project location and boundaries
- 4. Lake map with public access sites identified (per Section IV of this application)
- 5. Itemized breakdown of expenses
- 6. For projects that entail sending samples to the State Laboratory of Hygiene (SLOH) only: a completed SLOH Projected Cost Form
- 7. Project scope/description:
 - a. Description of project area
 - b. Description of problem to be addressed by project
 - c. Discussion of project goals and objectives
 - d. Description of methods and activities
 - e. Description of project products or deliverables
 - f. Description of data to be collected, if applicable
 - g. Description of existing and proposed partnerships
 - h. Discussion of role of project in planning and/or management of lake
 - i. Timetable for implementation of key activities
 - j. Plan for sharing project results
 - k. Other information in support of project not described above

B. For applicants that are Lake Management Organizations (LMOs), River Management Organizations (RMOs) or Non-profit Conservation Organizations (NCOs):

- 1. For first time applicant LMOs/RMOs only: A completed Form 8700-226 (Lake Association Organizational Application) or 8700-287 (River Management Organization Application)
- 2. For first time applicant NCOs only: Copy of IRS 501(c)(3) determination letter and copies of your Articles of Incorporation and Bylaws
- 3. List of national and/or statewide organizations with which you are affiliated
- 4. List of board members' names, including municipality and county of residence. Designate officers
- 5. Documentation of current financial status
- 6. Brochures, newsletters, annual reports or other information about your organization

C. Education, Prevention and Planning Projects: (No additional attachments required.)

D. Early Detection and Rapid Response Projects:

- 1. APM Permit

E. Established Infestation Control Projects:

- 1. Management Plan
- 2. APM Permit

Section VII: Certification

I certify that information in this application and all its attachments are true and correct and in conformity with applicable Wis. Statutes.

Print/Type Name of Authorized Representative <i>Sterling F. Strause</i>	Title of Authorized Representative <i>Commissioner - Wilson Lake</i>
Signature of Authorized Representative <i>Sterling F. Strause</i>	Date Signed <i>3/21/2008</i>

**Lake Management Planning Grant
Resolution**

Resolution # 6

RESOLUTION OF: **Kusel Wilson Round Protection and Rehabilitation District**

County of Waushara

WHEREAS **Wilson Lake** is an important resource used by the public for recreation and enjoyment of natural beauty; and

WHEREAS a study and examination of the lake will lead to better understanding and will promote the public health, comfort, convenience, necessity and public welfare;

WHEREAS we recognize the need for responsible and holistic long-range planning to better manage the lake, it's watershed, and it's use; and

WHEREAS we are qualified to carry out the responsibilities of the planning project

IT IS, THEREFORE, RESOLVED THAT:

Kusel Wilson Round Lakes Protection and Rehabilitation District requests the funds and assistance available from the Wisconsin Department of Natural Resources under the Lake Management Planning Grant Program; and

HEREBY AUTHORIZES **Sterling Strause** to act on behalf of **Kusel Wilson Round Lakes Protection and Rehabilitation District** to: submit an application to the State of Wisconsin for financial aid for lake planning purposes; sign documents; and take necessary action to undertake, direct, and complete an approved planning grant.

BE IT FURTHER RESOLVED THAT **Kusel Wilson Round Lakes Protection and Rehabilitation District** will meet the obligations of the planning project including timely publication of the results and meet the financial obligations under this grant including the prompt payment of our 25% commitment to planning project costs.

We understand the importance of a continuing management program for **Wilson Lake** and intend to proceed on that course.

Adopted this day 17 of November, 2006
By a vote of: 5 in favor 0 against 0 abstain

BY  Secretary of
Kusel Wilson Round Lakes Protection and Rehabilitation District

Note: management unit is the eligible sponsor as defined in S. 281.68, Wisconsin Statutes – any county, city, town, village, town sanitary district, public inland lake protection and rehabilitation district, qualified lake association or nonprofit conservation organization, or other local governmental unit established for the purpose of lake management that chooses to apply for a lake planning grant.

The management unit's representative is the individual authorized to act on behalf of the grant applicant. The resolution should not pass on grant responsibility to another group or organization.

PERMIT APPLICATION FOR CHEMICAL
 AQUATIC PLANT CONTROL
 Form 3200-4 Rev.3-99

DNR USE ONLY
ID Number
County Code
Waterbody Number

NOTE: Use of this form is required by the Department for any application field pursuant s. 281.17(2). Wis. Stats. And Chapter NR 107, Wis. Adm. Code. The Department will not consider your application unless you complete and submit this application form. Personally identifiable information requested on this form is not likely to be used for purposes, other than that for which it is originally being collected.

SECTION I. APPLICATION DATA

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 Northern Environmental Technologies, Inc. Consultant for:	Lake Address	Name Kussel, Wislon, Round Lakes P & R District
	Street or Route 1203 Storbeck Drive		Street or Route N5389 LILY PAD LANE
	City, State, Zip Waupun, WI 53963		City, State, Zip WILD ROSE, WISCONSIN 54964
	Telephone Number (include area code) 920-324-8600		Telephone Number (include area code) See Consultant for More Information.

SECTION II. LOCATION OF PLANT CONTROL		
Waterbody To Be Treated (waterbody where treatment area is located) Wilson Lake	Lake Surface Area 81 Acres	Estimated Surface Area That Is 10 Feet or Less in Depth 75 Acres
County Waushara	Names of Adjacent Riparian Property Owners (use additional sheets if necessary)	
Township Range Section 20N 11E 27	1. All participants are riparian property owner's of Kussel, Wilson and Round lakes P&R District.	
Name of Applicator or Firm Northern Environmental Technologies, Inc.	2.	
Street or Route 1203 Storbeck Drive	3.	
City, State, Zip Code Waupun, Wisconsin 53963	Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate Sterling Strause	
Telephone Number (include area code) Business: 920-324-8600 Business: 800-498-3921		
Applicator Certification Number for Category 5, Aquatic Pesticide Application 187621-CA	DNR USE ONLY	Date Verified w/DATCP Certification Expiration
Business Location License Number (if applicable) 93-013597-011079		Date Verified w/ DATCP Expiration Date
Restricted Use Pesticide License Number		Date Verified w/DATCP Expiration Date

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

- A. Shore Length See Map ft. x Distance From Shore See Map ft. / 43,560 ft = See Map Estimated Acreage. Average Depth ___ ft.
- B. Shore Length ___ ft. x Distance From Shore ___ ft. / 43,560 ft = ___ Estimated Acreage. Average Depth ___ ft.
- C. Shore Length ___ ft. x Distance From Shore ___ ft. / 43,560 ft = ___ Estimated Acreage. Average Depth ___ ft.
- D. Shore Length ___ ft. x Distance From Shore ___ ft. / 43,560 ft = ___ Estimated Acreage. Average Depth ___ ft.
- E. Shore Length ___ ft. x Distance From Shore ___ ft. / 43,560 ft = ___ Estimated Acreage. Average Depth ___ ft.
- F. Shore Length ___ ft. x Distance From Shore ___ ft. / 43,560 ft = ___ Estimated Acreage. Average Depth ___ ft.

Total Estimated Acreage= 10 Acres

If the estimated acreage is greater than 10 acres, or is greater than 10 percent of the estimated are 10 feet or less in depth in Section II, please complete and attach Form 3200-4A, 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

SECTION III. FEES

1. s. NR 107.11(1), Wis. Adm. Code. Lists the conditions under which the permit fee is included 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:

Base Permit Fee (non-refundable)	<u>\$20.00</u>
If proposed treatment is over 0.25 acre, calculate acreage fee (round up to nearest whole acre, to maximum of 50 acres.) 10.0 acres X \$25 per acre = \$175	
If proposed treatment is \leq 0.25 acre, acreage fee is \$0.00.	
Enter Acreage Fee (from above)	<u>\$250.00</u>
 Total Fee Enclosed	 <u>\$270.00</u>

Please include a sketch and/or a printed map of lake indicating area and dimensions of each individual area where plant control is desired. Also show location of property owners riparian to and adjacent to the treatment area. You may use the space below to sketch a map. Attach a separate list of owners and corresponding treatment dimensions coded to the lake map, if necessary.

Please See Attached Map

SECTION IV. REASONS FOR AQUATIC PLANT CONTROL

<p>Purpose of aquatic Plant Control</p> <p><input type="checkbox"/> 1. Reduce nuisance algae accumulation</p> <p><input checked="" type="checkbox"/> 2. Maintain navigation channel for common use</p> <p><input checked="" type="checkbox"/> 3. Maintain private access for boating</p> <p><input checked="" type="checkbox"/> 4. Maintain private access for fishing</p> <p><input checked="" type="checkbox"/> 5. Improve swimming</p> <p><input type="checkbox"/> 6. Control of purple loosestrife</p> <p><input checked="" type="checkbox"/> 7. Other: Prevent spread and severe infestation of Eurasian watermilfoil</p>	<p>Nuisance Caused By</p> <p><input type="checkbox"/> 1. Algae</p> <p><input type="checkbox"/> 2. Emergent water plants (majority of leaves and stems growing above water surface, e.g. cattails, buhushes)</p> <p><input type="checkbox"/> 3. Floating water plants (majority of leaves floating on water surface, e.g. waterlilies, duckweed)</p> <p><input checked="" type="checkbox"/> 4. Submerged water plants (leaves and stems below water surface, flowering parts may be exposed, e.g., EWM)</p> <p><input type="checkbox"/> 5. Other: _____</p>
--	--

Name of Plants, if known

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

Target Species: Curly Leaf Pondweed

SECTION V. CHEMICAL CONTROL

Alternatives to Chemical Control	Feasible?	If No, Why Not?
1. Mechanical harvesting	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Spreads plant debris and they can not get in shallow waters</u>
2. Hand pulling	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Too dense</u>
3. Hand raking	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Too dense</u>
4. Hand cutting	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Too dense</u>
5. Sediment screens/covers	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Not effective</u>
6. Dredging	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Too costly</u>
7. Lake drawdown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Not a control option for immediate concerns</u>
8. Nutrient controls in watershed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Not a control option for immediate concerns</u>
9. Other:	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____

NOTE: If proposed treatment involves multiple properties, please 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:

Trade Name of Proposed Chemical(s)	Method of Application
Aquathol K	Northern Environmental's liquid application system.

Which Chemicals or Other Control Options Have Been Tried Before On The Proposed Site, and What Were the Results


The proposed chemical has been used statewide to selectively control the target plant species present by our firm and has been successful in selectively controlling the target plant species currently present.

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

SECTION VI. APPLICANTS RESPONSIBILITIES

1. The applicant 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.-7 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 the 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 applicant 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 application 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 owners association or inland lake district.

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.

Applicants Signature  Date Signed March 20, 2008

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 cover letter.

SECTION VII. 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 _____

Application fee received?
 Yes No

Advance Notification of Treatment Required?
 Yes No

State of Wisconsin
 Department of Natural Resources
 For the Secretary

By _____
 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.

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.

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



▲ Northern Environmental

Hydrologists • Engineers • Surveyors • Scientists

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WISCONSIN ▲ MICHIGAN ▲ ILLINOIS ▲ IOWA

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TREATMENT AREA

**WILSON LAKE
TOWN OF SPRINGWATER
WAUSHARA COUNTY, WISCONSIN**

DATE: 05/04/07	DRAWN BY: DDP	TASK NUMBER: 100	PROJECT NUMBER: XXX00-0000-0000	FIGURE 1
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