

March 7th, 2012

To: Wendy Crowell, Minnesota DNR, Ecological Resources
From: Joe Baker, President of the Lake Sarah Improvement Association
Re: Lake Sarah's cover letter for the AIS Control Project Grant

Dear Ms. Crowell,

On behalf of the Lake Sarah Improvement Association (LSIA), we are pleased to present this Grant Application for Aquatic Invasive Species Control Projects. We would use this grant assistance to help in subsidizing our planned pilot treatments of Curly Leaf Pondweed (CLP) and Eurasian Watermilfoil (EWM) in our lake.

The Lake Sarah Improvement Association has accomplished a number of substantial milestones over just this past year, most notably:

1. The LSIA has grown our membership over 30% this past year to a record 179 paid members!
2. The Lake Sarah Phosphorus TMDL study received EPA approval on April 25, 2011.
3. The Lake Sarah TMDL Implementation Plan was written by Richard Brasch of the Three River Park District and received approval by the MPCA on September 16, 2011.
4. Our Lake Vegetation Management Plan (LVMP) was submitted to Chip Welling of the DNR on January 4, 2012. This LVMP was written in a very consistent manner to the TMDL Implementation Plan. We look to potentially revise/refine this LVMP for approval sometime in 2012.
5. In early February 2012, the LSIA received a verbal approval from the DNR to move forward with a "pilot treatment" program this spring that will allow trained volunteers from our lake association to treat up to 53 acres (15% of littoral acres) for Curly Leaf Pondweed (CLP) and (optionally) as well for Eurasian Water Milfoil (EWM). This is a relatively new approach that we feel could be a model for other responsible lake associations to follow.
6. In just the last 30 days, the LSIA has held two board meetings, we sent emails to members and held a series of three informational meetings to educate members and solicit volunteers acting as the block captains. These block captains then further organized and educated neighbors of our pilot treatment program and collected signatures needed to ensure 100% support from the affected lakeshore property owners.
7. We submitted today, and will attach to this grant application our Invasive Aquatic Plant Management Permit application covering five pilot areas of our Lake Sarah encompassing 70 littoral acres targeted for an early season low dose CLP treatment and 45 acres of early season low dose EWM treatment. (We hope that a variance could be approved for the additional CLP acres).

In summary, as the Lake Sarah Improvement Association, we have noticeably increased membership, awareness, and education to Aquatic Invasive Species and their impacts on our recreational use and water quality. The response of our lakeshore owners to this pilot approach effort this year has been very positive. We are clearly building momentum toward what we hope will be whole-lake treatments starting next year. However, as we are part of a watershed that is not a taxing district, our ability to fund what we have as a Lake Vegetation Management Plan that includes whole lake treatments may well be our biggest challenge. At this time the cost of the chemicals are funded from shoreline property owners, and LSIA funds we have been saving for years. If we are successful in this grant, the DNR's assistance would make this effort go much further!

Please feel free to contact me should you have any questions about pilot treatment program. Additional information on this program and past LSIA weed treatment programs can be found on the [EWM/CLP treatment program page](#), which is just one page of many that can be found at www.lakesarah.com – clearly one of the best, most current lake association related websites we know of – and are fortunate to have serving our entire Lake Sarah community.

Thank you for your time and consideration, and we look forward to your response.

Sincerely,



Joe Baker, President
Lake Sarah Improvement Association
(612)868-8702
Joe_baker@cargill.com

Grant Application

Aquatic Invasive Species Control Projects

Purpose:

These grants are intended to help fund the control of curly-leaf pondweed, Eurasian watermilfoil or flowering rush.

Deadlines: This Grant Program has a series of deadlines, so that grant funds will be available throughout the summer as aquatic invasive species problems become apparent. Please note which deadline you are applying for (see page 2 for Application Deadlines).

1. Applying for March 7 grant application deadline

Please note that the day after the grant application deadline the name and address of all applicants, and the amounts requested become public. All other data is nonpublic until the negotiation of the grant agreement(s) with the selected grantees is completed. After the application review process is completed, all data (except trade secret data) becomes public.

2. In order to receive a grant you must have an Invasive Aquatic Plant Management Permit for the control project.

Please include a completed Invasive Aquatic Plant Management Permit application, or if you already have a permit list the permit number here _____

3. Applicant Information

Name JOE BAKER, LSIA President



Organization LAKE SARAH IMPROVEMENT ASSOCIATION

Address 5580 LAKE SARAH HEIGHTS DRIVE, LORETTO, MN 55357

E- mail Joe_Baker@Cargill.com phone(s) 612-868-8702

Federal Tax Id Number *(required) 41-169-4232, a MN non-profit org 501c(3) in good standing__

4. Second Contact (optional):

Name: _____ phone: _____

Email address: _____

5. Lake Information

Lake name SARAH County HENNEPIN

Nearest Town LORETTO DOW# (if known) DOW 27.0191

6. Target plant (check all that apply):

- Eurasian watermilfoil Curly- leaf pondweed Flowering Rush

7. Is your proposed project a early-season lake-wide control of curly-leaf pondweed or Eurasian watermilfoil? X Yes No

8. Mail the completed forms to Wendy Crowell, Minnesota Department of Natural Resources, Ecological Resources, Box 25, 500 Lafayette Rd St. Paul, MN 55155, or fax to Wendy at 651-296-1811, or e-mail it to: wendy.crowell@state.mn.us. Applications must be received on or before the application deadline. You may also hand deliver your application on or before this deadline during normal business hours (8:00 a.m. - 4:30 p.m., Monday - Friday).

You will be notified when your application is received. If you do not receive a notification, please contact Wendy Crowell (651-259-5085)

Application deadlines and Available funds in 2012. Applications for curly-leaf pondweed projects must be received by May 15th.

Application Deadline	Estimated Project Start Date	Estimated Available Funds	Probable Projects
March 7	May 1	\$600,000	Early-season treatments CLP or EWM
April 15	May 31	\$300,000	Early-season treatments CLP or EWM
May 15	June 15	\$150,000	Early- season EWM or FR
May 30	June 30	\$100,000	EWM or FR
June 15	July 15	\$50,000	EWM or FR
June 30	July 30	\$25,000	EWM or FR
July 15	August 15	\$25,000	EWM or FR
July 30	August 30	\$25,000	EWM or FR
August 15	September 15	\$25,000	EWM or FR
Total		\$1,300,000	

Available funds not completely granted under one deadline will added to the funds available for the next deadline.

**LAKE OR BAY-WIDE
INVASIVE AQUATIC PLANT MANAGEMENT PERMIT APPLICATION**
(This application does not constitute a permit. PLEASE PRINT OR TYPE)



I. APPLICANT INFORMATION	
(First, M., Last) JOE BAKER	Day Time Telephone or Cell Number 612-868-8702 (cell)
Organization: LAKE SARAH IMPROVEMENT ASSOCIATION	
Permanent Mailing Address 5580 LAKE SARAH HEIGHTS DRIVE, LORETTO, MN 55357	Email Address Joe_Baker@Cargill.com
Have you ever applied for an Invasive Aquatic Plant Control Permit on this lake? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	
If yes, Permit #: <u>07F-3A387</u>	

II. LAKE INFORMATION	
Lake Name (and bay if applicable) LAKE SARAH	County HENNEPIN

III. TREATMENT INFORMATION	
1. Type of Treatment Proposed. (check all that apply) Mechanical Tools/Harvester <input type="checkbox"/> Chemical <input checked="" type="checkbox"/>	
2. Type of Invasive Aquatic Plant Eurasian watermilfoil <input checked="" type="checkbox"/> Flowering rush <input type="checkbox"/> Other: _____ Curly-leaf pondweed <input checked="" type="checkbox"/> Purple loosestrife <input type="checkbox"/> (Name of plant)	
3. Dimensions of Proposed Treatment Area. I propose to conduct control of invasive aquatic plants in <u>70</u> acre(s). Included with this application are the Geographic Digital Data, including all necessary electronic files that can be used by the DNR to re-create all polygons, waypoints, track logs, etc.	
4. Who will be doing the treatment? The Applicant <input checked="" type="checkbox"/> A Commercial Applicator/Mechanical Control Company <input type="checkbox"/> What chemical(s) or mechanical device - do you propose to use? <u>AQUATHOL K (for CLP) & DMA-4 (for EWM)</u> If a commercial applicator / harvester will be treating, what is the name and address of the company? _____ <u>We plan to treat with responsible Lake Sarah Improvement Association volunteers under the guidance of a licensed applicator.</u>	

IV. JUSTIFICATION: (Briefly explain reason for control) Per our TMDL Implementation Plan, and consistent with our Lake Vegetation Management Plan (submitted to Chip Welling on January 4, 2012), we are seeking to complete pilot treatments in 2012 as a proof of concept for what we plan to take up to a whole lake treatment approach in 2013.

V. FEE INFORMATION: There is no fee required for Invasive Aquatic Plant Management permits.
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VI. ENCLOSURES <input checked="" type="checkbox"/> Sketch/Map <input checked="" type="checkbox"/> Signature <input checked="" type="checkbox"/> List of affected properties Other _____

I hereby make application for a permit to destroy or control aquatic vegetation or aquatic nuisance as described above. I understand that the control of aquatic nuisances, including destruction of aquatic plants and algae, is subject to rules of the Commissioner of Natural Resources. I understand that an annual report will be required on results achieved. Completion of this form and processing of the accompanying application fee does not constitute obtaining a permit.

Applicants Signature <u>Joe Baker, LSIA President</u>	Date <u>3/6/12</u>
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This application is two-sided. Please complete both sides.

We plan to perform an early season low dose treatment of CLP, and similarly plan to treat EWM if present at the same time. However, should the EWM not be present at the time of our pre-treatment inspection, then we would like to have a somewhat later date to make the EWM treatment, once we have confirmed it is growing in the identified pilot treatment areas.

Lake Sarah GLP 2012 (70 acres)

North Shore Drive (14 acres)

55

Lake Sarah Heights West Basin (15.5 acres)

Lake Sarah

South Lake Sarah Drive (6 acres)

Lake Sarah Heights East Basin (26 acres)

Fern Drive (8.5 acres)

County Rd 14

Image: U.S. Geological Survey
© 2012 Google

Google Earth

Imagery Date: 2/26/2006

1991

45° 03' 49.00" N 93° 40' 55.79" W elev 984 ft

Eye Alt: 15203 ft

Lake Sarah EWM 2012 (45 acres)

North Shore Drive (14 acres)

Lake Sarah

Lake Sarah Heights East Basin (22.5 acres)

Fern Drive (8.5 acres)

County Rd 111

© 2012 Google
Image U.S. Geological Survey

Imagery Date: 2/28/2006 1591

45° 03' 53.35" N 93° 41' 04.32" W elev. 980 ft

Google Earth

Eye alt: 13116 ft



Lake Sarah onshore permit Signature Page
South Lake Sarah Drive

I hereby make application for an onshore permit to destroy or control curly leaf pondweed and/or Eurasian Water Milfoil as part of an Aquatic Invasive Species pilot treatment program on Lake Sarah. I understand that the control of aquatic nuisances, including destruction of aquatic plants and algae, is subject to rules of the Commissioner of Natural Resources. I understand that an Aquatic Plant Management Specialist may wish to inspect the proposed treatment area before, during, and/or after work is completed and that by making this application I give permission to the specialist to enter my property to make such inspection at reasonable times.

By signing the form below, I hereby also hold harmless the Lake Sarah Improvement Association, it's Officers and Board Members, and its volunteer applicators. As a volunteer non-profit organization, we will perform the applications on a "best efforts" basis, and while we will be diligent in making every attempt to ensure the most effective treatment, we make no guarantees — nor do we assume any liability to the results of this application.

House #	Name	Approx shoreline feet	Signature
4708	Mike and Colleen Malene	233	<i>Colleen Malene</i>
4712	Jon Arneson	205	<i>Becky Arneson</i>
4716	Jeff and Kathryn Carlson	270	<i>Jeff Carlson</i>
4720	Sherri Lynn Erickson Ramsden + Jeffrey	256	<i>Sherri Lynn Erickson</i>
4724	Rob and Donna Sheeley	253	<i>Donna Sheeley</i>
6600	Bonnie and James Roeder	380	<i>Bonnie J. Roeder</i>

All received Feb 29, 2012

Joe Baker
 LSIA President

Fern Drive Treatment Quote

Notes: Addresses were taken from Hennepin County GIS website
 Shoreline feet were estimated by a measuring tool on the Hennepin County GIS website
Homeowners involved in proposal:

Fern Drive

House #	Name	Approximate shoreline feet
5175	Russell Harvold's	185
5165	Jeffrey Puth	129
5155	Chad & Roberta Langdon	170
5135	Harold & Renee Burrows	157
5135	Harold & Renee Burrows	150
5135	Harold Burrows	154
5115	Warren & Julie Grist	54

3/1/2012
 3/1/2012
 3/1/2012
 3/1/2012
 3/1/2012

Total 999

All received March 1, 2012
 Joe Baker
 USA President

20120301 11:00 AM RECEIVED FROM JOE BAKER

Lake Sarah onshore permit Signature Page - North Shore Drive

I hereby make application for an onshore permit to destroy or control Curly Leaf Pondweed and/or Eurasian Water Milfoil as part of an Aquatic Invasive Species pilot treatment program on Lake Sarah. I understand that the control of aquatic nuisances, including destruction of aquatic plants and algae, is subject to rules of the Commissioner of Natural Resources. I understand that an Aquatic Plant Management Specialist may wish to inspect the proposed treatment area before, during, and/or after work is completed and that by making this application I give permission to the specialist to enter my property to make such inspection at reasonable times. By signing the form below, I hereby also hold harmless the Lake Sarah Improvement Association, its Officers and Board Members, and its volunteer applicators. As a volunteer non-profit organization, we will perform the applications on a "best efforts" basis, and while we will be diligent in making every attempt to ensure the most effective treatment, we make no guarantees -- nor do we assume any liability to the results of this application.

North Shore Drive

House #	Name	Approximate shoreline feet	Signature
6525	Joey & Tom Larson	162	<i>[Signature]</i>
6525	Joey R. Schmitt	125	<i>[Signature]</i>
6515	John Wise	64	<i>[Signature]</i>
6505	John & Theresa Wise	56	<i>[Signature]</i>
6485	Kraig & Doris Smeby	112	<i>[Signature]</i>
6475	James Herlofsky	85	<i>[Signature]</i>
6455	Sheldon & Noreen Plath	82	<i>[Signature]</i>
6435	Jerry & Kathryn Sorlion	166	<i>[Signature]</i>
6415	Kevin & Cheryl Alinder	90	<i>[Signature]</i>
6405	Michael John Gallagher	90	<i>[Signature]</i>
6395	Scott & Sylvia Walsh	90	<i>[Signature]</i>
6375	Thomas & Janel Price	90	<i>[Signature]</i>
6365	Elaine Nelson	85	<i>[Signature]</i>
6355	Scott Heintzeman	90	<i>[Signature]</i>
6345	Marcia Smith Moerke	81	<i>[Signature]</i>
6335	Jerry Peterson	81	<i>[Signature]</i>
6325	Vincent & Betty Pavik	80	<i>[Signature]</i>
6305	Randi & Gary Debriyn	81	<i>[Signature]</i>
6295	Barbara Kickhafer	89	<i>[Signature]</i>
6275	Cindy Keating & Clark Brown	92.5	<i>[Signature]</i>
6255	Carol Beasecker	92.5	<i>[Signature]</i>

Received at
March 2011
Joe Beasecker
President
ASIA

Lake Sarah Heights Drive Treatment (East Basin)

I hereby make application for an onshore permit to destroy or control Curly Leaf Pondweed and/or Eurasian Water Milfoil as part of an Aquatic Invasive Species pilot treatment program on Lake Sarah. I understand that the control of aquatic nuisances, including destruction of aquatic plants and algae, is subject to rules of the Commissioner of Natural Resources. I understand that an Aquatic Plant Management Specialist may wish to inspect the proposed treatment area before, during, and/or after work is completed and that by making this application I give permission to the specialist to enter my property to make such inspection at reasonable times.

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Received March 4
 Joe S. Dent
 President

House #	Name	Approx shoreline feet	Signature
unassigned	Robert & Sandra Berens	200-180	Robert Berens
5835	Edwin Kalash	400	Edwin Kalash
5795	Richard & Kimberly Niedzielski	135-40	Richard Niedzielski
5765	Edwin & Sarah Magnuson	105	Ed Magnuson
5745	Timothy & Sandra Carson	130	Sarah Carson
5725	Richard & Carol Tubesing	113	Richard Tubesing
5709	Daniel & Jane Cady	108	Jane Cady
5695	Gabor & Katafin Deli	114	Katafin Deli
5675	Roger & Christine Fossum	100	Roger Fossum
5665	Susan Mizell	96	Susan Mizell
5645	William Ehrman	127	William Ehrman
5625	Frances Bogema	115-123	Frances Bogema
5615	Frederick Bills	135	Frederick Bills
5595	Jere & Sandra Rice	115	Jere Rice
5585	Laurie & Todd Zaugg	269	Laurie Zaugg
5575	Roger & Mary Van Beusekom	249	Roger Van Beusekom
unassigned	Todd Beamish / Joe Baker	175	Joe Baker
5535	Greg Hami & Allain Hankey	164	Allain Hankey
5515	Leonard Nadasy	350	Leonard Nadasy

4740 GARDNER DRIVE 415-5-1800
 LAKESARAH 415-912 750 Deborah Williamson

permit
for
removal
of
weed

Sheet 1

Lake Sarah Pilot Treatment Program - 2012 (West Basin)

I hereby make application for an onshore permit to destroy or control Curly Leaf Pondweed and/or Eurasian Water Milfoil as part of an Aquatic Invasive Species pilot treatment program on Lake Sarah. I understand that the control of aquatic nuisances, including destruction of aquatic plants and algae, is subject to rules of the Commissioner of Natural Resources. I understand that an Aquatic Plant Management Specialist may wish to inspect the proposed treatment area before, during, and/or after work is completed and that by making this application I give permission to the specialist to enter my property to make such inspection at reasonable times.

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Lake Sarah Heights Circle

House #	Name	Signature
4725	RANDEE & KAREN KYROLA	<i>R. Kyrola</i>
4755	BRENT FOSTER	<i>Brent Foster</i>
4775	GREGORY & BRIDGET VANYO	<i>B. Vanyo</i>
4795	PAUL WILLIAMS	<i>Paul Williams</i>

Lake Sarah Heights Drive

6205	SALLY & ALLEN W MOEN	<i>Al and Sally Moen</i>
6225	JOHN D & MARY K TREMBLEY	<i>John & Mary Trembley</i>
6235	ANDREW J & MOLLY J LEWIS	<i>Andrew Lewis</i>
6255	PAULETTE L SPEED	<i>Paulette Speed</i>
6275	RICHARD A & DEBORAH A HAGGAR	<i>Deb & Rick Haggan</i>
6295	MELVIN A KNAPTON	<i>Melvin Knapperton</i>

Received
3/5/12
Lisa Pres.