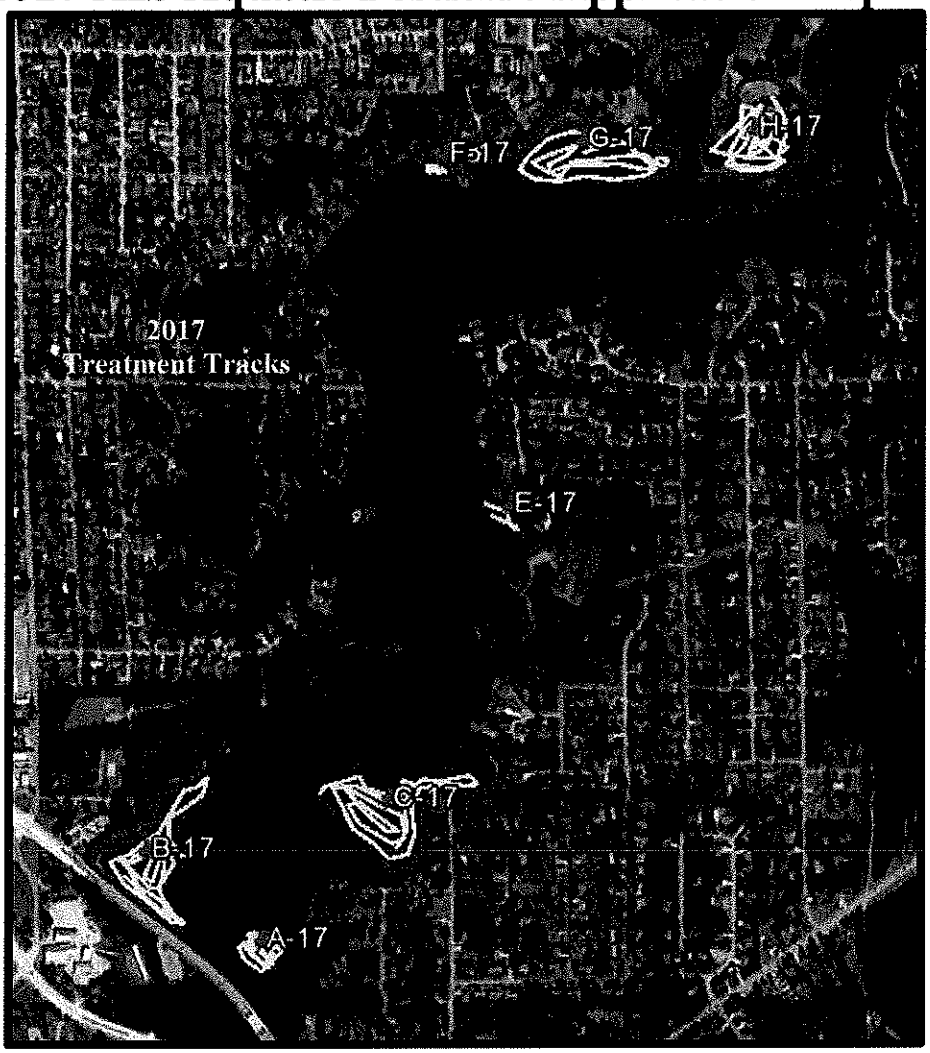
McDill Pond
Portage County, Wisconsin
2017 AIS Aquatic Pesticide Application Report



Prepared By:

CLEAN LAKES

www.cleanlakesmidwest.com

Prepared For:
McDill Inland Lake Protection and Rehabilitation District
3317 Della Street
Stevens Point, WI 54481

May 2017

AQUATIC PESTICIDE APPLICATIONS:

Clean Lakes, Inc. (CLI) was contracted by the McDill Inland Lake Protection and Rehabilitation District (the District) to perform aquatic pesticide (herbicide) applications to infestations of Eurasian watermilfoil (EWM) and its hybrid (HWM) in the project areas outlined below, in compliance with the published Wisconsin Department of Natural Resources (WDNR) Aquatic Invasive Species (AIS) Treatment Protocols, the March 13, 2012 coverage under the Wisconsin Pollutant Discharge Elimination System (WPDES) General Permit for Aquatic Plant, Algae and Bacteria authorizing coverage for CLI, and the May 10, 2017 WDNR Permit Approval issued to the District (included as part of the attached Aquatic Pesticide Application Plan (APAP)).

The appropriate logs of the work performed, and map of the locations of AIS colonies treated are both included in this report.


McDill Pond, Portage County
May 9, 2017


McDill Pond, Portage County
May 11, 2017


McDill Pond, Portage County
May 11, 2017

AQUATIC HERBICIDES USED: The Aquatic Herbicide used was Syngenta Crop Production, LLC's Reward (liquid diquat), EPA Registration Number 100-1091 (Label and MSDS included as part of the attached Aquatic Pesticide Application Plan (APAP)).

TREATMENT SCHEDULE: The aquatic pesticide applications were performed on Thursday, May 11, 2017.

EQUIPMENT USED: A 21' Carolina Skiff DLX treatment vessel was used to perform the aquatic herbicide applications. The herbicide applications were made via Clean Lakes' precision application system, LittLine®, a littoral zone treatment technology. The LittLine has been proven to increase Contact Exposure Time (CET) and provide more efficacious control. Achieving necessary CET in McDill Pond is one of the largest challenges with aquatic plant management as the water flows rapidly throughout the system. Between watching the water flows and weather (mainly wind speed and direction), manipulating the dam for lowest flow possible for treatment, using a fast acting contact herbicide (Reward) and performing the application with a LittLine system, the project was positioned for the best CET possible and therefore optimistically satisfactory control in the treatment areas.

The aquatic vegetation treatment area shapefiles created following the 2017 pre-treatment survey completed by Amy Kay of Clean Lakes on May 9, 2017 were loaded into the treatment vessel's computer system for guidance and herbicide application data recording. The treatment tracks were automatically recorded vessel's GPS guidance system in addition to a handheld GPS device supported by GIS software for the production of the final treatment area maps to document the treatment areas and treatment tracks within. Treatment area maps are included in this report.

CLI provided the required support equipment for material handling (unloading trucks, loading boats) as well as support trucks for the vessels assigned to the project. The aquatic herbicides were brought to the site in 2.5 gallon containers. Northwoods Distribution out of Rhinelander, Wisconsin supported the project with herbicide loading and field support.

PERMIT COMPLIANCE: The District provided the required permits and approvals for the herbicide treatments from the Wisconsin Department of Natural Resources as outlined and included in the attached APAP.

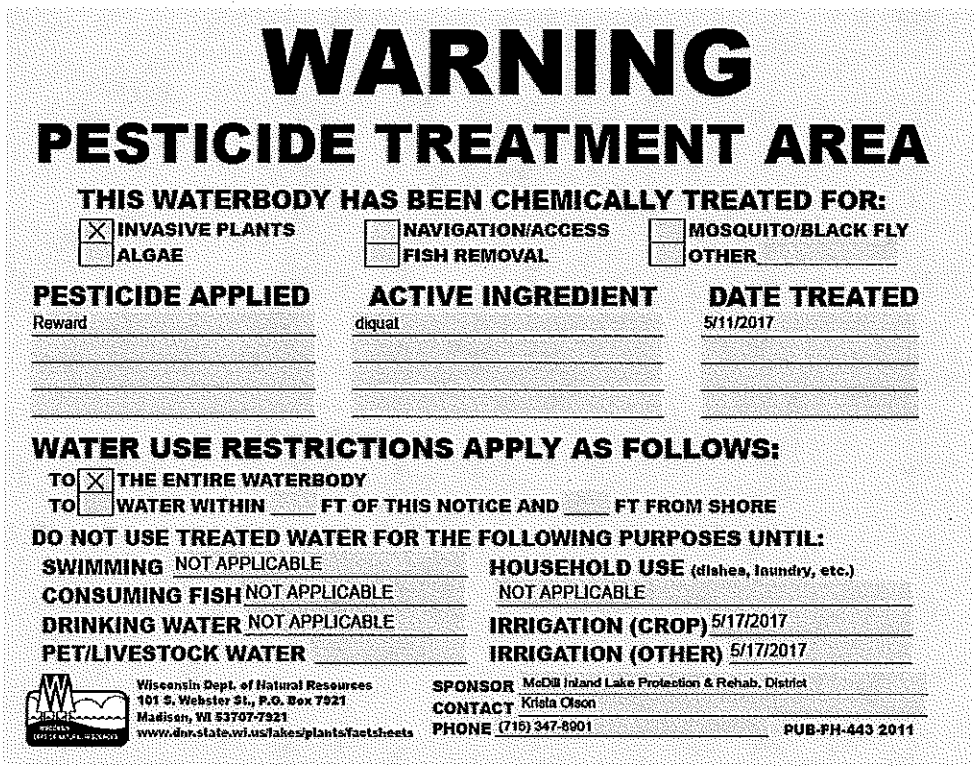
CLI obtained coverage for aquatic plant control activities under the Statewide Wisconsin Pollutant Discharge Elimination System (WPDES) General Permit (#WI-0064556-1 Clean Lakes, Inc. Statewide Treatments/FIN 46219) that provided authorization for the herbicide applications.

- **Visual Check Record:** Compliance with the WPDES permit requires a visual check be performed at a representative location during or soon after plant control activities. A visual check was carried out by Amy Kay (Wisconsin Commercial Pesticide Applicator) at multiple representative locations within the treatment area during the applications. During and immediately following the herbicide applications no adverse conditions were observed. Adverse Incidents are defined as death or distress of non-target organisms, disruption of wildlife habitat, risk to recreational activities, risk to human health, etc.
- **Pesticide Application Control:** To ensure that CLI did not exceed the pesticide label maximum rate, a licensed and certified applicator (Amy Kay – certification #90532) performed aquatic herbicide applications. Application equipment was maintained and calibrated prior to the application and discharge monitored during application to ensure effective pesticide application. Maintenance of herbicide transfer and application equipment ensured that no unintended discharges occurred.

PUBLIC NOTIFICATION AND POSTING PESTICIDE TREATMENT AREA

WARNING SIGNS:

Pesticide Treatment Area Warning signs were posted along contiguous treated shorelines and those adjacent to them as well as at all public access points in order to adequately inform the public, as defined in NR 107.08 (7)(d) and (e).



WARNING

PESTICIDE TREATMENT AREA

THIS WATERBODY HAS BEEN CHEMICALLY TREATED FOR:

- [X] INVASIVE PLANTS
- [ ] ALGAE
- [ ] NAVIGATION/ACCESS
- [ ] FISH REMOVAL
- [ ] MOSQUITO/BLACK FLY
- [ ] OTHER

PESTICIDE APPLIED	ACTIVE INGREDIENT	DATE TREATED
Reward	diquat	5/11/2017

WATER USE RESTRICTIONS APPLY AS FOLLOWS:

- TO [X] THE ENTIRE WATERBODY
- TO [ ] WATER WITHIN ____ FT OF THIS NOTICE AND ____ FT FROM SHORE

DO NOT USE TREATED WATER FOR THE FOLLOWING PURPOSES UNTIL:

SWIMMING: NOT APPLICABLE	HOUSEHOLD USE (dishes, laundry, etc.): NOT APPLICABLE
CONSUMING FISH: NOT APPLICABLE	
DRINKING WATER: NOT APPLICABLE	IRRIGATION (CROP): 5/17/2017
PET/LIVESTOCK WATER:	IRRIGATION (OTHER): 5/17/2017

Wisconsin Dept. of Natural Resources
101 S. Webster St., P.O. Box 7921
Madison, WI 53707-7921
www.dnr.state.wi.us/lakes/plants/factsheets

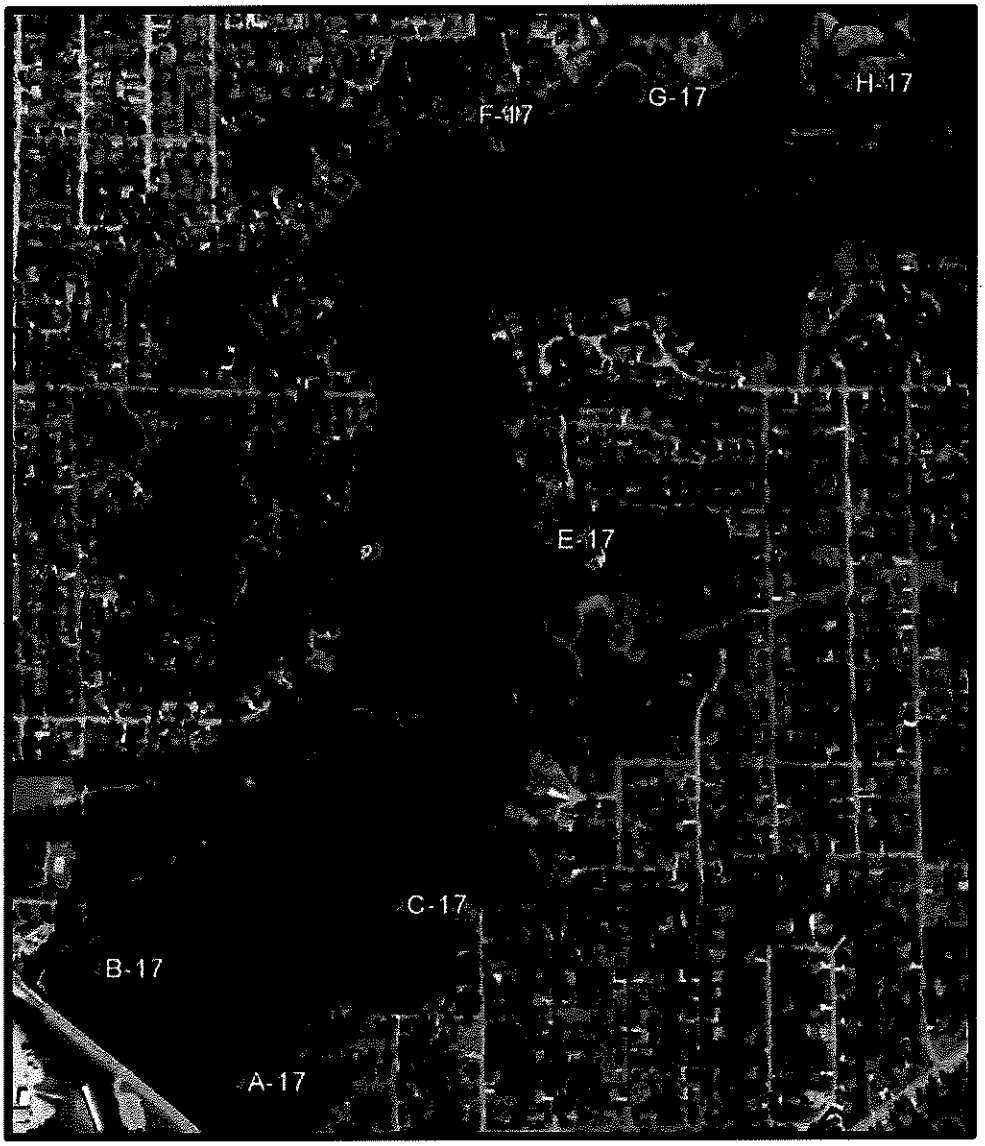
SPONSOR: McDill Inland Lake Protection & Rehab. District
CONTACT: Krista Olson
PHONE: (715) 347-8901

PUB-FH-443 2011

There are no swimming or fishing use restrictions. Water from the treatment areas may not be used for irrigation purposes for 5 days. The "Warning" signs need to be posted for the duration of the irrigation use restriction (until May 17, 2017). The District published all other notices per the treatment requirements.

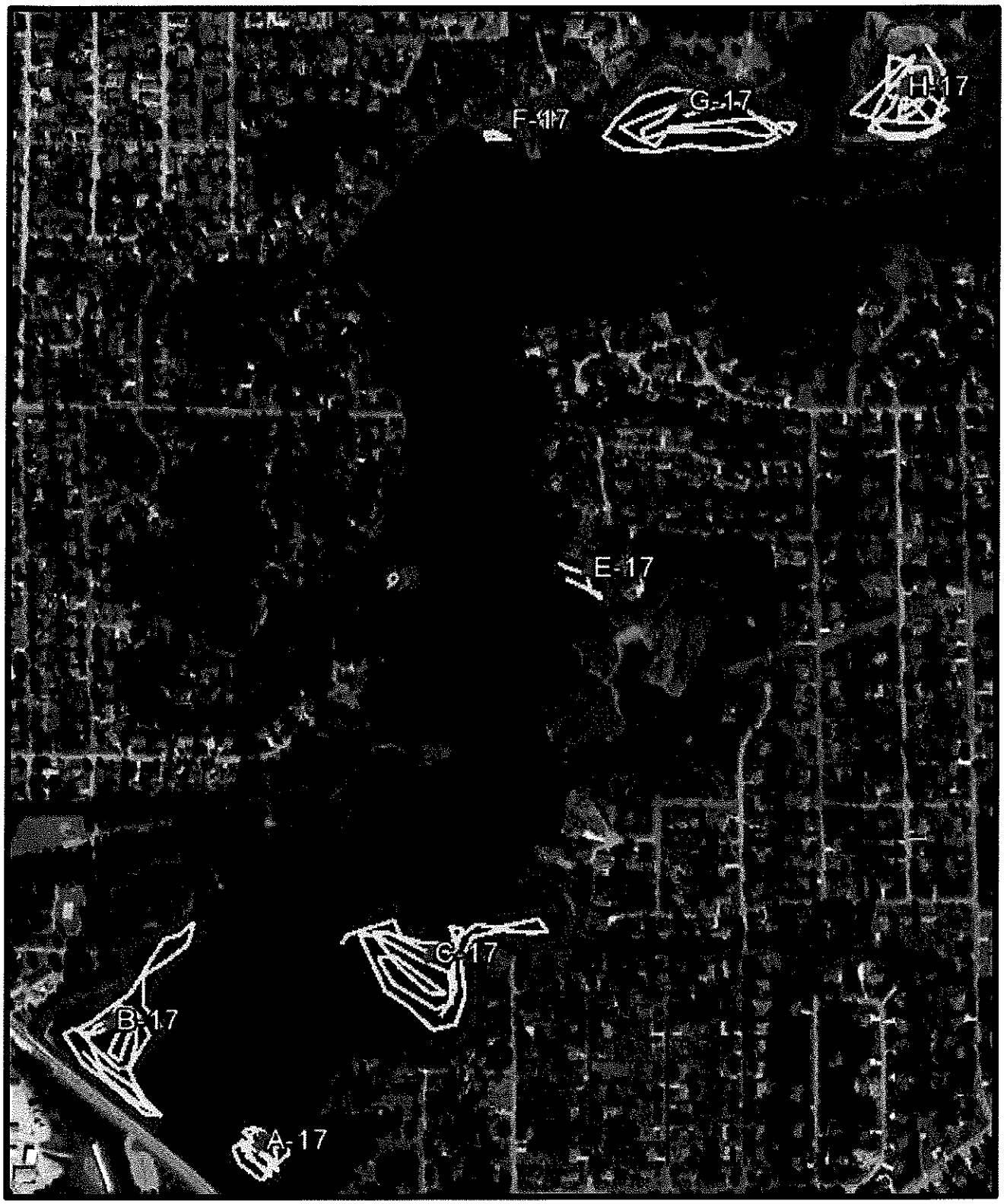
CLEAN LAKES

2017 Treatment Site Layout and Area & Herbicide Rate Data



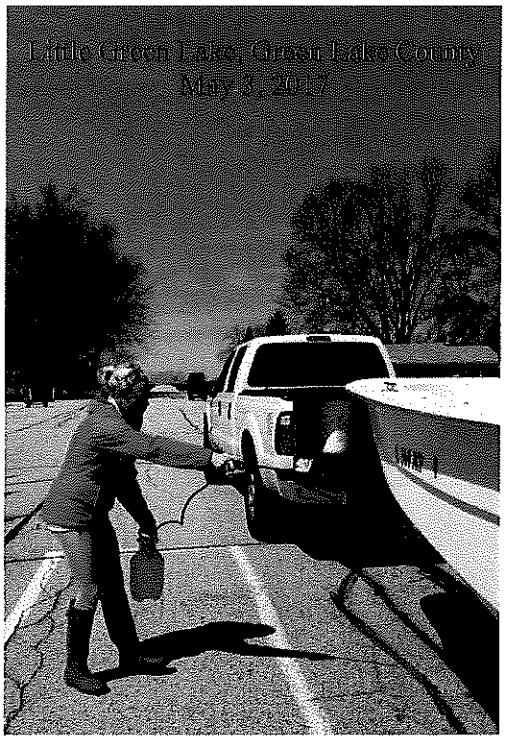
2017 McDill Pond Treatment Area & Herbicide Rate Data				Reward (liquid diquat)	
ID	Acreage	Mean Depth Estimate	Volume	Gallons/Acre	Total Gallons
A-17	1.3	7.00	9.1	2	2.6
B-17	6.1	4.00	24.4	2	12.2
C-17	7.7	3.70	28.5	2	15.4
E-17	0.9	1.50	1.4	1	0.9
F-17	0.5	1.70	0.9	1	0.5
G-17	7.7	3.20	24.6	2	15.4
H-17	7.4	3.70	27.4	2	14.8
Totals	31.6		116.2		61.8

2017 Treatment Areas with Treatment Tracks



EQUIPMENT DECONTAMINATION

PROCEDURES: Equipment decontamination measures were performed prior to entering McDill Pond and moving CLI's vessel to another waterbody per the current decontamination procedures (Reference NR40).



Project Cost Data: The table below outlines the quantities of herbicide used, herbicide costs, application costs, total costs, and cost per acre. Bullet pointed below describes this and the other program costs associated with the 2016-2017 control project.

2017 McDill Pond Herbicide Rate/Cost Data				Reward (liquid diquat)		Application Costs/Acre	Application Costs/Site	Herbicides Costs/Acre	Herbicides Costs/Site	Total
ID	Acreage	Mean Depth Estimate	Volume	Qty/Acre	Total	Application	Application	Herbicides	Herbicides	Application +Herbicides
A-17	1.3	7.00	9.1	2	2.6	$95.00	$123.50	$210.00	$273.00	$396.50
B-17	6.1	4.00	24.4	2	12.2	$95.00	$579.50	$210.00	$1,281.00	$1,860.50
C-17	7.7	3.70	28.5	2	15.4	$95.00	$731.50	$210.00	$1,617.00	$2,348.50
E-17	0.9	1.50	1.4	2	0.9	$95.00	$85.50	$105.00	$94.50	$180.00
F-17	0.5	1.70	0.9	2	0.5	$95.00	$47.50	$105.00	$52.50	$100.00
G-17	7.7	3.20	24.6	2	15.4	$95.00	$731.50	$210.00	$1,617.00	$2,348.50
H-17	7.4	3.70	27.4	2	14.8	$95.00	$703.00	$210.00	$1,554.00	$2,257.00
Totals	31.6		116.2		61.8		$3,002.00		$6,489.00	$9,491.00

- 2016 Fall BioBase Mapping for spring treatment planning cost is $1,440.00
- 2017 Spring Growing Season Pre-Treatment Mapping cost is $680.00
- The Reward costs were $105.00 per gallon including delivery to the project site. The total herbicide costs were $6,489.00.
- The herbicide application costs were $95.00 per acre for a total herbicide application cost of $3,002.00.
- Mobilization costs for the 2017 project were $3,500.00.
- A credit of $360.00 was provided to the District for posting the Treatment Area Warning signs according to NR107 and WDNR issued permit.
- The total 2017 project costs as outlined in the table and detailed above are: **$14,751.00**

CLEAN LAKES

LIST OF PROJECT PERSONNEL

PROJECT MANAGER:

Amy Kay Wensink (Amy Kay)
WI Commercial Pesticide Applicator
Applicators Certification No. 90532
Cell Phone: 715-891-6798
Email: akay@cleanlakesmidwest.com

SITE SAFETY AND HEALTH OFFICER:

Amy Kay
Cell Phone: 715-891-6798

EMERGENCY RESPONSE COORDINATOR:

Amy Kay
Cell Phone: 715-891-6798

FIELD SUPPORT PERSONNEL:

Steve Dahlquist
WI Certified Mixer/Loader
Northwoods Distribution
Cell Phone: 715-493-9901

MCDILL POND CONTACT:

Krista Olson
Cell Phone: 715-347-8901
Email: mcdillpond@charter.net

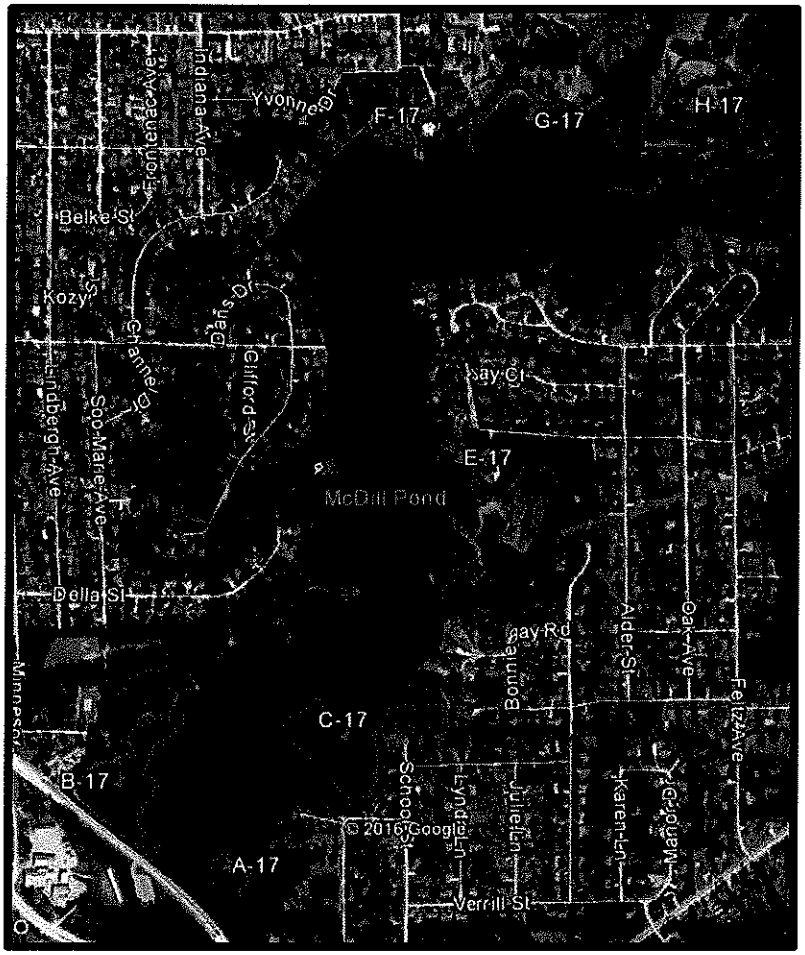
Attachments:

- **Wisconsin DNR Aquatic Plant Management Herbicide Treatment Record for May 11, 2017.**
- **McDill Pond 2017 Aquatic Pesticide Application Plan (APAP) that includes:**
  - Wisconsin DNR Approval Letter & Permit Application
  - Product Label and MSDS for Reward
  - Site Specific Safety Plan for the project, May 11, 2017

END OF PESTICIDE APPLICATION REPORT (See Attachments)

CLEAN LAKES

McDill Pond, Portage County, Wisconsin
2017 AIS Aquatic Pesticide Application Plan (APAP)



Prepared by:

CLEAN LAKES

5701 Oak Park Road
Oakwood Hills, IL 60013
www.cleanlakesmidwest.com

Prepared for:
McDill Inland Lake Protection & Rehabilitation District
3317 Della Street
Stevens Point, WI 54481

May 2017

CLEAN LAKES

TABLE OF CONTENTS

ITEM

CLEAN LAKES

1: LIST OF PROJECT PERSONNEL

PROJECT MANAGER:

Amy Kay Wensink (Amy Kay)
WI Commercial Pesticide Applicator
Applicators Certification No. 90532
Cell Phone: 715-891-6798
Email: akay@cleanlakesmidwest.com

SITE SAFETY AND HEALTH OFFICER: Amy Kay
Cell Phone: 715-891-6798

EMERGENCY RESPONSE COORDINATOR: Amy Kay
Cell Phone: 715-891-6798

FIELD SUPPORT PERSONNEL:

Steve Dahlquist
Northwoods Distribution Services
Cell Phone: 715-493-9901

And/or Brandyn Dahlquist
Northwoods Distribution Services
Cell Phone: 715-482-9901

MCDILL POND CONTACT:

Krista Olson
Cell Phone: 715-347-8901
Email: McDillPond@charter.net

2: WORK TO BE PERFORMED

AQUATIC PESTICIDE APPLICATIONS: Clean Lakes, Inc. (CLI) will be responsible for treating infestations of Eurasian watermilfoil (EWM) in the project areas as represented in the 2017 Final Treatment Area Maps approved by the McDill Inland Lake Protection and Rehabilitation District (the District), outlined below in compliance with the published Wisconsin Department of Natural Resources (WDNR) Aquatic Invasive Species (AIS) Treatment Protocols and the May 10, 2017 WDNR Permit Approvals included as part of this Aquatic Pesticide Application Plan (APAP).

CLI will keep appropriate logs of the work performed and map the locations of AIS colonies treated. Copies of all such information will be provided to the District in the form of digital copy.

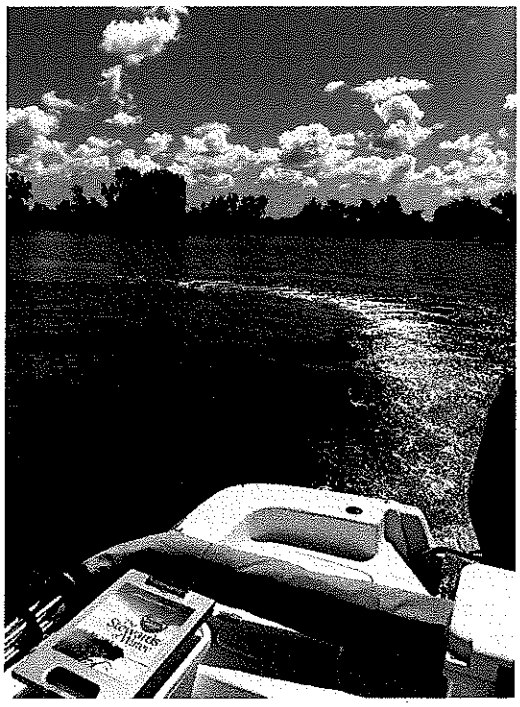
CLI's Wisconsin Department of Agriculture Commercial Pesticide Applicators Business License No. is 93-018789-015570, expires 12/31/2017.

AQUATIC HERBICIDES TO BE USED: The Aquatic Herbicide to be used is Syngenta Crop Production, LLC Reward (liquid diquat), EPA Registration Number 100-1091 (Label and MSDS included as part of this APAP).

TREATMENT SCHEDULE: The target date for the treatment is Thursday May, 11, 2017. Work shall not be performed during unsafe weather conditions.

TRANSMITTAL OF SPATIAL DATA: Amy Kay of Clean Lakes performed the 2017 growing season survey of McDill Pond on May 9, 2017, and provided the District and WDNR recommended treatment areas. The final treatment area shapefiles will be loaded into the application vessels computer guidance system to guide the herbicide applications. The application vessel will track and record the treatment tracks within the treatment areas, which will then be downloaded for the generation of post treatment data files.

EQUIPMENT TO BE USED: A 21 foot Carolina Skiff DLX treatment vessel will be used to perform the aquatic herbicide application. The herbicide applications will be injected below the surface from the treatment vessel to increase Contact Exposure Time (CET) via Clean Lakes' precision application technology, LittLine®.



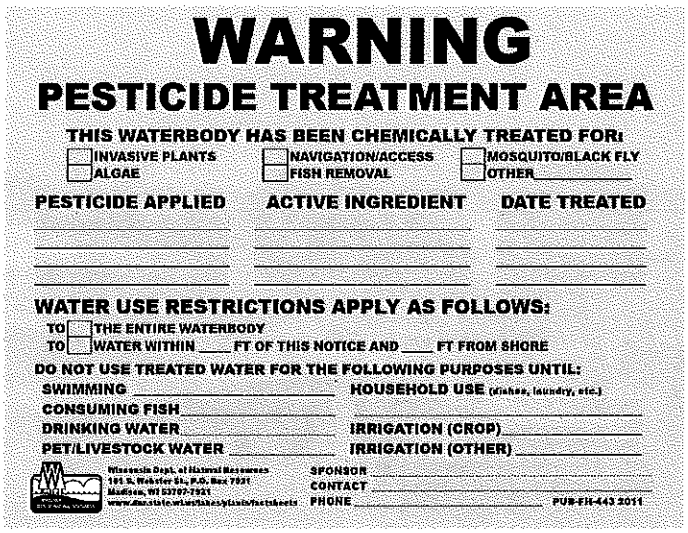
The aquatic vegetation treatment area shapefiles will be loaded into the computer system for vessel guidance and herbicide application data recording. The treatment tracks are automatically recorded via the vessels GPS guidance system, and handheld GPS device(s) supported by software for the production of the final treatment area maps to document the treatment areas. Treatment area maps as well as the digital data files will be provided to the District and WDNR in digital format.

CLI will provide the required support equipment for material handling (unloading trucks, loading boats) as well as support trucks for the vessels assigned to the project. The aquatic herbicides will be delivered in 2.5 gallon containers. The aquatic herbicides will be transferred to the application system on board the treatment vessel within the treatment area(s).

PERMIT COMPLIANCE: The District provided the required permits and approvals for the herbicide treatments from the WDNR as outlined and included (attached) as part of this APAP.

CLI has obtained coverage under Aquatic Plant, Algae & Bacteria General WPDES Permit WI-0064556-1 for Statewide Wisconsin Treatments in which the District will be covered under, also included (attached).

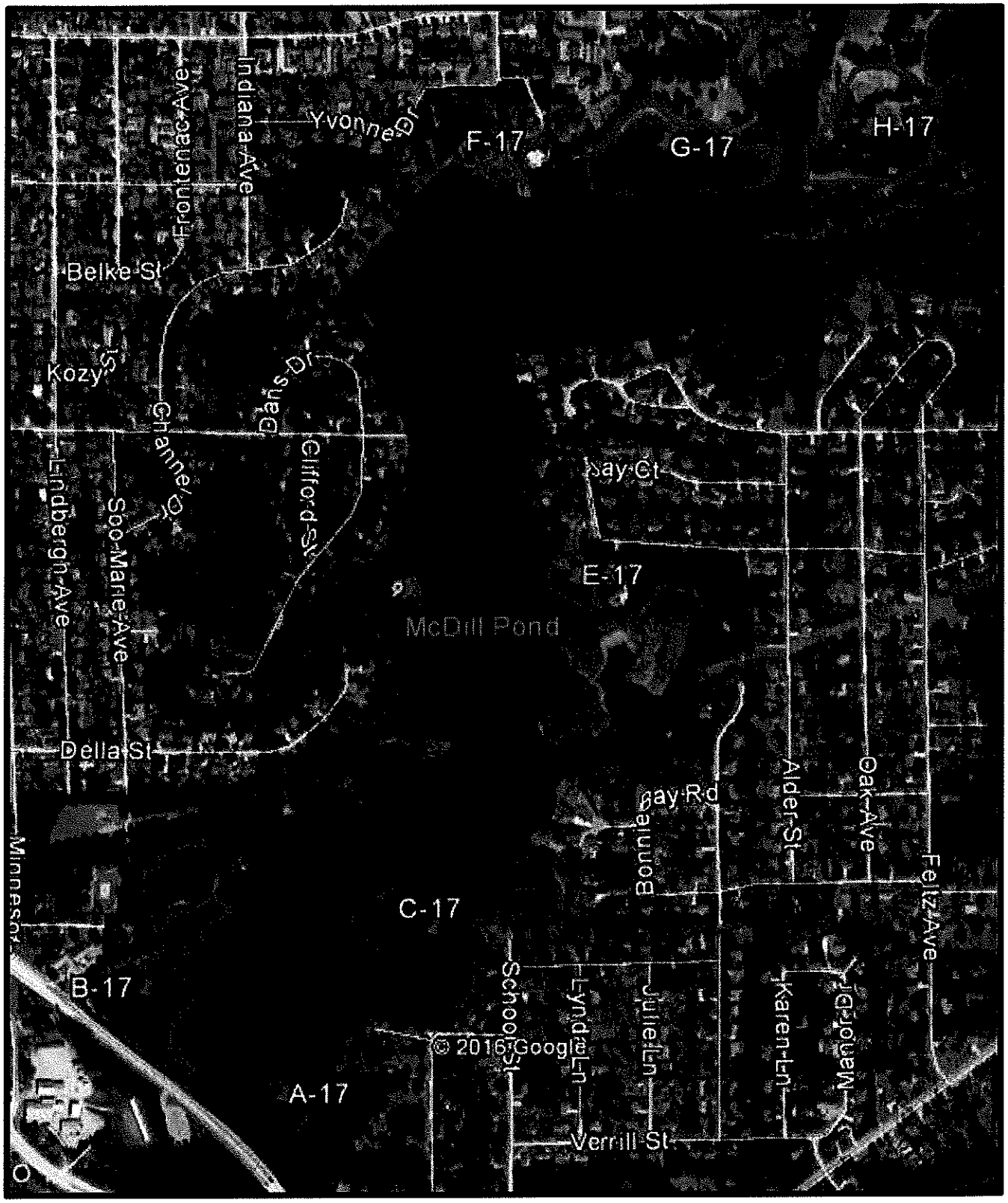
SERVICES PROVIDED BY CLI: All manpower, materials, insurance, equipment and technical advice required to perform aquatic herbicide applications in the project areas identified for control as outlined in this APAP. CLI provided the Pesticide Treatment Area Warning signs and the District will post them per the WDNR requirement. CLI will be sure all equipment is decontaminated meeting or exceeding NR40 guidelines prior to entering and after exiting McDill Pond.


WARNING
PESTICIDE TREATMENT AREA
THIS WATERBODY HAS BEEN CHEMICALLY TREATED FOR:
☐ INVASIVE PLANTS ☐ NAVIGATION/ACCESS ☐ MOSQUITO/BLACK FLY
☐ ALGAE ☐ FISH REMOVAL ☐ OTHER
PESTICIDE APPLIED | ACTIVE INGREDIENT | DATE TREATED
WATER USE RESTRICTIONS APPLY AS FOLLOWS:
TO ☐ THE ENTIRE WATERBODY
TO ☐ WATER WITHIN ___ FT OF THIS NOTICE AND ___ FT FROM SHORE
DO NOT USE TREATED WATER FOR THE FOLLOWING PURPOSES UNTIL:
SWIMMING ___ HOUSEHOLD USE (dishes, laundry, etc.) ___
CONSUMING FISH ___
DRINKING WATER ___ IRRIGATION (CROP) ___
PET/LIVESTOCK WATER ___ IRRIGATION (OTHER) ___
SPONSOR ___
CONTACT ___
PHONE ___ PUB-FH-443 2011

SERVICES PROVIDED BY THE DISTRICT: The District provided the required permits, published notices, and provided approval with WDNR permission on final treatment areas. The District will provide a suitable boat ramp. The District will be sure the Warning signs are removed when water use restrictions have been lifted and the signs will be properly recycled and/or disposed of.

CLEAN LAKES

3: Treatment Site Layout (2017 Final Treatment Area Map)



CLEAN LAKES

4: Treatment Site Data & Herbicide Application Rate Schedule

2017 McDill Pond Treatment Site & Herbicide Rate Data				Reward (liquid diquat)	
ID	Acreage	Mean Depth Estimate	Volume	Qty/Acre	Total
A-17	1.3	7.00	9.1	2	2.6
B-17	6.1	4.00	24.4	2	12.2
C-17	7.7	3.70	28.5	2	15.4
E-17	0.9	1.50	1.4	1	0.9
F-17	0.5	1.70	0.9	1	0.5
G-17	7.7	3.20	24.6	2	15.4
H-17	7.4	3.70	27.4	2	14.8
Totals	31.6		116.2		61.8

5: WDNR Approval Letter and Permit Application

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
473 Griffith Ave.
Wisconsin Rapids WI 54494
Telephone: 715-422-2426
Fax: 715-421-7830

Scott Walker, Governor
Cathy Stepp, Secretary
Dan Baumann, Regional Director

04 April 2016

McDill Lake District
1317 Della Street
Stevens Point, WI 54481

Permit no. WC-2017-50-763
Permit Fee: $0.00

Re: Aquatic Plant Management herbicide permit application for McDill Pond

Dear Ms. Krista Olson:

I have received your application to chemically treat aquatic plants (EWM) in McDill Pond in Portage County. The treatment areas are included in the application. Your permit application has been reviewed and meets the minimum requirements by law and a permit is being issued. Issuance of the permit is not an endorsement or approval for the action authorized. The following conditions must be followed.

PERMIT CONDITIONS

1. The permit holder, according to NR 107.08(8), shall submit the Aquatic Plant Management Treatment record for treatment as follows:
    1. Immediately, if any unusual circumstances occur during treatment.
    2. Within 30 days, if treatment occurs.
    3. By October 1 of this year if no treatment occurred.
2. Treatment of contact herbicide (Diquat) cannot exceed label rates of 2 gallons per acre. Herbicide shall be injected when possible to hasten contact with target species.
3. Treatment shall take place when water temperatures are near 60° F or before susceptible native plants become established.
4. All equipment used in the pond must be sterilized before entering waters of the state and must abide by all provisions of NR 40.
5. Weather forecasts shall be used to determine treatment does not correspond with predicted storm events. Flow at the McDill Dam should be near mean flow of 600 cfs. Monitoring flow is a responsibility of the applicant.
6. This office must be contacted a minimum of 24-hours prior to treatment.
7. **Treatment in area D-17 is denied.** Other treatments are restricted to areas on the map included with the application.
8. No harvesting permitted in treated areas within 24-hours of treatment.
9. **This permit is not valid until permit fee has been received.** This permit is being CONDITIONALLY approved now to expedite the permit due to weather conditions that can affect the efficacy of this treatment.

The conditions of this permit must be followed unless permission to alter the permit is given by the department. These conditions will help maintain suitable habitat for fish and wildlife.

Notification signs have been sent to you. These signs are to be placed on contiguous treated shoreline and at strategic shoreline to adequately inform the public, as defined in NR 107.08 (7)(d) and (e). Failure to comply with these conditions may result in cancellation of the permit and loss of permit privileges for the subsequent treatment season.

Any future treatments beyond this permit will require an additional permit from the Department. Future permit applications will be evaluated based the information at that time. Please feel free to contact me at 715-421-7824 or Scott Provost at 715-421-7881 or by email at joshua.wied@wisconsin.gov

Sincerely,

Scott Provost – WDNR
Statewide Aquatic Plant Management Coordinator

Cc: Conservation Warden – Whiting
Clean Lakes – Oakwood Hills, IL
Tom Meronek - Wausau

NOTE:*Permit fee was received by WDNR per Kevin Olson via email at 3:48 pm on 5/10/2017.(AK)*

CLEAN LAKES

State of Wisconsin DNR
DNR Department of Natural Resources
Water Permit Central Intake – attn. APM
PO Box 7185
Madison, WI 53707-7185

Chemical Aquatic Plant Control Application and Permit
Wisconsin Pollutant Discharge Elimination System (WPDES)
Pesticide Pollutant Permit Application

Form 3200-004 (R 02/17)

DNR Use Only	
ID Number: NE-2017-50-764	Permit Expiration Date: 12/31/2017
Waterbody #: 1403200	Fee Received: See condition #9

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.]

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: McDill Island Lake Protection & Rehabilitation District
Street Address: 3317 Della Street
City: Stevens Point | State: WI | ZIP Code: 54481
Phone Number (include area code) Primary: (715) 347-890 Secondary:

Waterbody Address

Name:
Street Address:
City: | State: | ZIP Code:
Email Address: McDillPond@charter.net

Section II – Aquatic Plant Control Location

Waterbody to be Treated (waterbody where treatment area is located): McDill Pond

Lake Surface Area: 263 acres
Estimated Surface Area that is 10 Feet or Less in Depth: 240 acres

County: Portage | Section: 3 | Township: 23 N | Range: 8 | (•) E ( ) W

Latitude: 44.5063750 | Longitude: -89.5480710

- Is there more than one property owner? (•) Yes ( ) No
- Is there surface water discharge? (•) Yes ( ) No
- Does the waterbody have public access? (•) Yes ( ) No

If all are no: considered to be a private pond

Adjacent Riparian Property Owner Names (attach sheets if necessary)

1.
2.
3.
4.
5.
6.

Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate): Krista Olson

Name of Applicator or Firm: Clean Lakes, Inc.
Street or Route: 5701 Oak Park Road
City: Oakwood Hills | State: IL | ZIP Code: 60013
County:
Phone Number (include area code): (715) 891-6798
Email Address: info@cleanlakesmidwest.com
Applicator Certification Number for Category 5 Aquatic Pesticide Application: 90532, 89222, 94984
Business Location License Number (if applicable): 93-018789-01570
Restricted Use Pesticide License Number (if applicable):

Area(s) Proposed for Control:

	Treatment Length		Treatment Width				Estimated Acreage		Average Depth		Calculated Volume
1.	ft	X	ft	÷	43,560 ft²	=	ac	X	ft	=	ac-ft
2.	ft	X	ft	÷	43,560 ft²	=	ac	X	ft	=	ac-ft
3.	ft	X	ft	÷	43,560 ft²	=	ac	X	ft	=	ac-ft
4.	ft	X	ft	÷	43,560 ft²	=	ac	X	ft	=	ac-ft
5.	ft	X	ft	÷	43,560 ft²	=	ac	X	ft	=	ac-ft
6.	ft	X	ft	÷	43,560 ft²	=	ac	X	ft	=	ac-ft
7.	ft	X	ft	÷	43,560 ft²	=	ac	X	ft	=	ac-ft
8.	ft	X	ft	÷	43,560 ft²	=	ac	X	ft	=	ac-ft
9.	ft	X	ft	÷	43,560 ft²	=	ac	X	ft	=	ac-ft
					Estimated Acreage Grand Total		60 ac		Calculated Volume Grand Total		240 ac-ft

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? (X) Yes (•) No
Spring Slough [redacted]

DNR Use: NHI Review? ( ) Yes ( ) No Describe: Water thread pondweed, treating before emergence

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Chemical Aquatic Plant Control Application and Permit
WPDES Pesticide Pollutant Permit Application

Form 3200-039 (R 02/17) Page 2 of 4

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 107.06(2), Wis. Adm. Code, provides for a refund of acreage fees if the permit is denied or if no treatment occurs.
4. Fee calculations: If proposed treatment is over 0.25 acre, calculate acreage fee. (round up to nearest whole acre, to maximum of 50 acres.)

50 acres X $25 per acre = $ 1,250

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

Enter Acreage Fee (from above) ..... $ 1,250.00

Basic Permit Fee (non-refundable) ..... $ 20.00

Total Fee Enclosed ..... $ 1,270.00

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:

1. [ ] Maintain navigational channel
2. [ ] Maintain boat landing and carry in access
3. [ ] Improve fish habitat
4. [ ] Maintain swimming area
5. [X] Control of invasive exotics
6. [ ] 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)
- [X] Submerged water plants (leaves and stems below water surface, flowering parts may be exposed, e.g., milfoil, coontail)
- [ ] Other:

List Target Plants

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

Eurasian watermilfoil, Hybrid watermilfoil, Curlyleaf pondweed

Section V – Chemical Control

Alternatives to Chemical Control:	Feasible?	If No, Why Not?
1. Mechanical harvesting	( ) Yes (●) No	native harvesting causing fragmentation
2. Manual removal	( ) Yes (●) No	area too large
3. Sediment screens/covers	( ) Yes (●) No	prevents beneficial plant growth
4. Dredging	( ) Yes (●) No	too expensive
5. Lake drawdown	( ) Yes (●) No	not site specific
6. Nutrient controls in watershed	( ) Yes (●) No	not site specific
7. Other:	( ) Yes ( ) 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:

CLEAN LAKES

Chemical Aquatic Plant Control Application and Permit
WPDES Pesticide Pollutant Permit Application

Form 3200-804 (R 02/17)

Section V – Chemical Control (continued)

Full Trade Name of Proposed Chemical(s)

Reward

~~Cutrine~~

Method of Application: LimLine, Littoral Zone Treatment Technology

Will surface water outflow and/or overflow be restricted 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?

Proposed 61.8 gallons of Reward.

$$\frac{(61.8\text{ gal})(3.75\text{ lb/gallon})}{(2.7\text{ million pounds per acre-foot of water})(104\text{ acre-feet volume})} = .082\text{ ppm} \approx 82\text{ ppb}$$

For private ponds and wetlands please ignore next question

Is treatment area greater than 5% of surface area? (•) Yes ( ) No

If yes, calculate whole lake concentration (in ppm). Refer to DNR Lake pages dnr.wi.gov/Lakes to answer the following:

Does the lake stratify? ( ) Yes (X) No

If yes, calculate whole lake concentration using volume above thermocline.
If no, calculate whole lake concentration using total lake volume.

Whole Lake Concentration: .082 ppm

Note: Chemical fact sheets for aquatic pesticides used in Wisconsin are available from the Department of Natural Resources at the following link: dnr.wi.gov/Lakes/plants/factsheets/.

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.
6. 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

☐ 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

4/3/17
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.

Chemical Aquatic Plant Control Application and Permit
WPDES Pesticide Pollutant Permit Application

Form 3200-024 (R 02/17) Page 4 of 4

Section VII – WPDES Permit Request

Is WPDES coverage being requested? Refer to http://dnr.wi.gov/topic/wastewater/aquaticpesticides.html for more information.

(•) No (•) Already have WPDES coverage. ( ) Yes – complete section VII with signature
( ) WPDES coverage not needed

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 2017.

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

5-10-17 (Date Signed) 5-11-17 (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.

Note: we will send in the check when final acreage is figured out after spring survey. Please email permit # to mcdillpond@charter.net so we can reference it on a check..

Thanks,
Krista

Legals

Publish April 7, 2017

PUBLIC NOTICE

The McDill Inland Lake and Rehabilitation District (the District) proposes to chemically treat up to 60 acres of McDill Pond to control excessive growth of exotic invasive aquatic plants.

Clean Lakes, Inc. will conduct an application of the aquatic pesticides Renovate (triclopyr) and/or Aquathol K [illegible] to [illegible]. It is anticipated that the treatment will occur in spring 2017 and will proceed only after the District obtains a permit for the treatment from the Wisconsin Department of Natural Resources.

The water use restrictions for [illegible] are as follows:

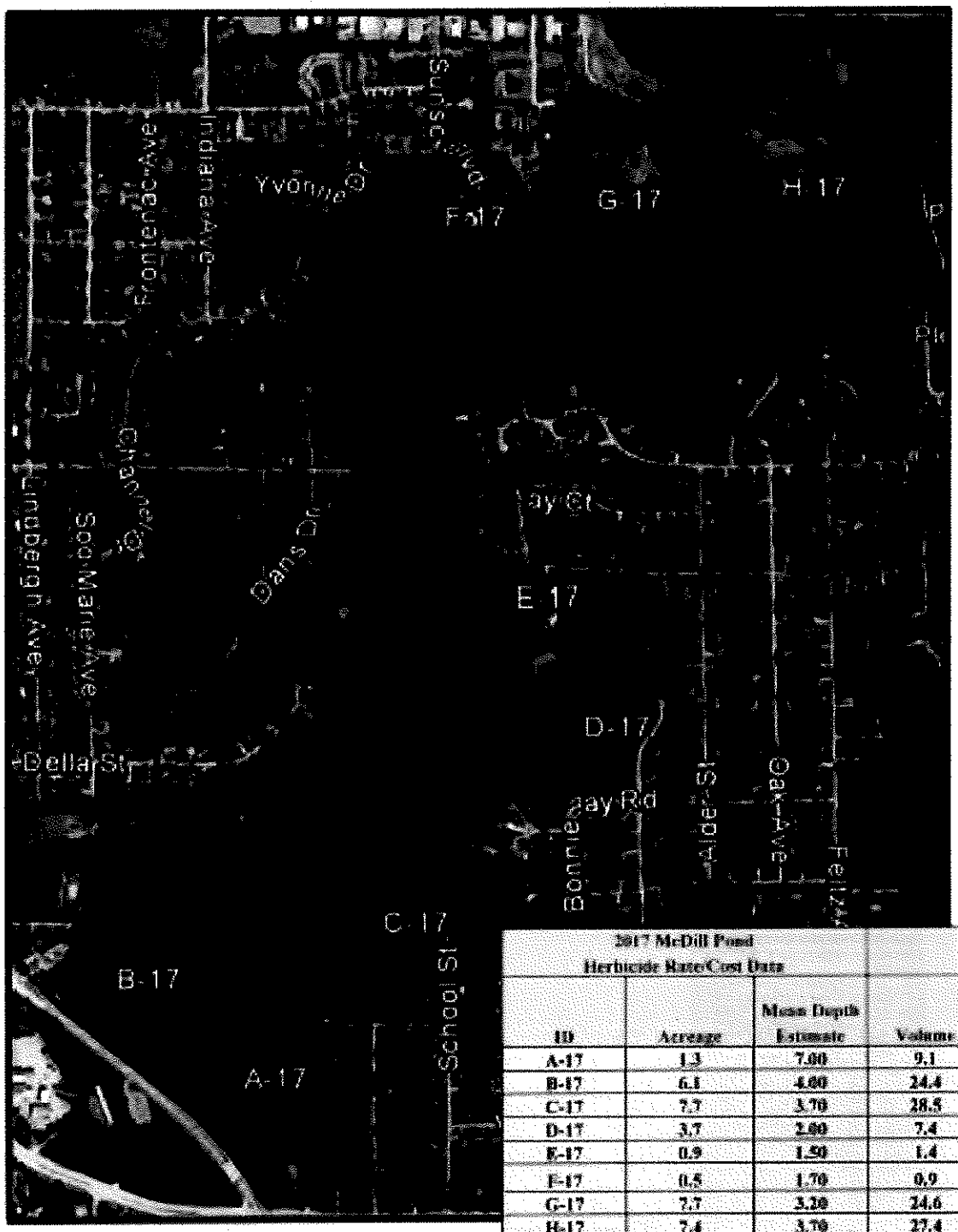
There are no swimming or fishing restrictions. Do not use water from treated areas for irrigation purposes for 3 days after treatment.

The District will hold a public informational meeting on the proposed treatment 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 McDill Inland Lake and Rehabilitation District, [illegible] Street, Stevens Point, WI 54481 and to Wisconsin Department of Natural Resources, 473 Griffith Avenue, Wisconsin Rapids, WI 54494 within 5 days after the public notice is published.

WNAXLP

CLEAN LAKES

McDill Pond
2017 EWM Final Treatment Areas



2017 McDill Pond Herbicide Rate/Cost Data			
ID	Acreage	Mean Depth Estimate	Volume
A-17	1.3	7.00	9.1
B-17	6.1	4.00	24.4
C-17	7.7	3.70	28.5
D-17	3.7	2.00	7.4
E-17	0.9	1.50	1.4
F-17	0.5	1.70	0.9
G-17	7.7	3.20	24.6
H-17	7.4	3.70	27.4
Totals	35.3		123.6

6: Wisconsin Pollutant Discharge Elimination System (WPDES) Approval Letter and Permit Application

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor
Cathy Stepp, Secretary

101 South Webster Street
P.O. Box 7921
Madison, WI 53707-7921
Telephone (608) 266-2621
FAX (608) 267-3579
TTY Access via relay - 711

March 13, 2012

Thomas McNabb, President
Clean Lakes, Inc.
P.O. Box 3548
Coeur d' Alene, ID 83816

SUBJECT: Coverage under Aquatic Plant, Algae & Bacteria General WPDES Permit WI-0064556-1
SITE LOCATION/FIN: Statewide Wisconsin Treatments /FIN: 46219;

Dear Mr. McNabb:

The Department of Natural Resources has evaluated the notice of intent information you provided regarding nuisance plant and algae control activities for lakes and ponds located in Wisconsin. The Department is hereby authorizing statewide coverage under general Wisconsin Pollutant Discharge Elimination System (WPDES) permit No.WI-0064556-1 for Clean Lakes, Inc. activities that result in a pollutant discharge to waters of the state as defined in s. 283.01(20) of the Wis. Statutes. Your general permit coverage is authorized for the term of the WPDES permit (which has an expiration date of September 30, 2016).

The goal of the Clean Water Act and Section 283 of the Wisconsin Statutes is to maintain and restore the chemical, physical, and biological integrity of waters of the state. The Aquatic Plant, Algae & Bacteria WPDES general permit authorizes point source discharges of biological and chemical pollutants that would have a residual in a water of the state or that cause a pollutant discharge into a water of the state located beyond the treatment area. This general permit contains best management practices designed to minimize these types of a pollutant discharges and to prevent exceedence of a Wisconsin water quality standard.

For 2012, WPDES permit WI-0064556-1 part 5.1 requires that a visual check record be retained for each treatment project with a pollutant discharge. The visual check can be performed at a representative location where a pollutant discharge could move beyond the treatment area. This visual check can be used to record the effectiveness of the chemical management practices and to note any observed aquatic life conditions prior to and after the chemical application.

Beginning in 2013, the record keeping requirements of the permit parts 5.3 and 5.5 become effective. The information specified in part 5.5 will need to be reported for treatment projects (from the previous calendar year) that have pollutant residuals or discharges to waters of the state located beyond the treatment area. The Department is developing a reporting system designed to allow electronic reporting of ch. NR 107 permit information that also meets the annual reporting needs of the WPDES permit.

The Aquatic Plant, Algae & Bacteria general WPDES permit, a descriptive fact sheet/memo, and a "Question and Answer" document can be accessed at: http://dnr.wi.gov/org/water/wm/ww/aquaticpesticides.htm. Also, the Department (at: http://dnrmaps.wi.gov/imf/imf.jsp?site=SurfaceWaterViewer.deswaters) has a surface water viewer tool that can be used to indentify high quality exceptional or outstanding surface water resources.

If you need to have a paper copy of the WPDES permit or other permit supporting documents emailed or sent in the US mail to your facility, please contact a WPDES staff person at the nearest DNR regional office. It is important that you understand and comply with this WPDES permit because it is enforceable under both state and federal law. Also, you should be aware that the Clean Water Act authorizes a citizen action for pollutant discharges without WPDES permit coverage or for continuing violations of a WPDES discharge permit.

Additional information regarding the Department's legal authority in this matter and your rights of appeal are shown below. Please feel free to call me at (608) 267-7643 if you have any questions regarding the requirements of the general permit.

Cordially,

Jeffrey Brauer, Env. Engineer
Water Quality Bureau
jeff.brauer@wisconsin.gov

e-copy: SWAMP Facility documents Kevin Gauthier - Rhinelander

LEGAL AUTHORITIES AND APPEAL RIGHTS

Section 283.35, Stats., authorizes the Department to issue a general permit for discharges from categories or classes of point sources. If a permittee believes coverage of a facility under a general WPDES permit is not appropriate, the permittee may apply for issuance of an individual WPDES permit pursuant to section 283.35(2) and may petition the Department for withdrawal of coverage under the general permit. The individual permit application should indicate which site specific factors would justify alternate WPDES limits for the operation. Issuance of such a site specific WPDES permit will provide for a 30 day public comment period, and potentially a public informational hearing and/or an adjudicatory hearing. The Department may withdraw a facility from coverage under a general permit if it is determined that a discharge is a significant contributor of pollutants to waters of Wisconsin, or in certain other cases set out in s. 283.35, Stats.

In lieu of general permit withdrawal, the Department may refer any violation of this permit to the Department of Justice for enforcement under s. 283.89, Stats. In order to avoid any enforcement action, **please read the WPDES permit carefully and comply with the permit requirements.**

If you believe that you have a right to challenge the Department decision to cover this facility with a general permit, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. To request a contested case hearing pursuant to section 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. Such a petition should identify pollutant(s) that are believed to be not appropriately regulated by the general permit for the specific site. All requests for contested case hearings must be made in accordance with section NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with section NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the time period for filing a petition for judicial review.

For judicial review of a decision pursuant to sections 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. A petition for judicial review must name the Department of Natural Resources as the respondent.

46219

State of Wisconsin
Department of Natural Resources
Bureau of Wastewater Management
dnr.wi.gov

MAR 0 9 2012

Pest Control Pollutant Discharge WPDES Permit Request

Form 3400-202 (2/12) Page 1 of 2

Notice: Pursuant to chs. NR 200 and 205, Wis. Adm. Code, this Notice of Intent (NOI) is needed to request coverage under one of the General WPDES Permits listed below. Incomplete NOI's will be returned. Personal information collected on this form will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.).

General WPDES Permits (check the box for the permit you are requesting):

- [ ] **WI-0064572-1 Forest Canopy Pests**
- [X] **WI-0064556-1 Aquatic Plants, Algae & Bacteria**
- [ ] **WI-0064581-1 Mosquitoes & other Flying Insects**
- [ ] **WI-0064564-1 Aquatic Animals**

Section I: WPDES Permittee Responsible for a Pollutant Discharge from the Pest Treatment Activity

WPDES Permittee (Company/Owner name)				Authorized Representative Name	Phone # (with area code)
[illegible]				[illegible]	[illegible]
Mailing Address - P.O. Box, Street, or Route				**Authorized Representative Title**	
[illegible]				President	
City	**State**	**ZIP Code**	**Fax # (with area code)**	**Authorized Representative Email Address**	
Coeur d'Alene	ID	[illegible]	[illegible]	[illegible]	

Section II: Pest Control Site Name and Location (for treatments at multiple sites, enter general location or statewide)

Pest Control Project Name				Project Contact Person Name	Title
[illegible]				[illegible]	
Pest Control Project Address – Street				**Email Address**	**Phone # (with area code)**
[illegible]				[illegible]	[illegible]
City	**State**	**ZIP Code**	**Treatment Site County or Counties**	**Section, Town, Range**	
[illegible]			statewide		

Site Map: If treatments will occur at three sites or less, attach site map(s), such as a USGS topographic map, showing the location of the pest control activities and the receiving water for a pollutant residual or pollutant discharge outside of the treatment area. For treatments on >3 sites, attach a map showing areas of the state where most treatments will occur.

Section III: Discharge Characterization

Type of Discharge (Biological, Excess Chemical, or Residual Chemical Pollutant)	Pest Treatment Products to be Used	Treatment Area Description	Comments
Residual Chemical Pollutant	2,4-D	[illegible]	
Residual Chemical Pollutant	[illegible]	[illegible]	
Residual Chemical Pollutant	[illegible]	[illegible]	
Residual Chemical Pollutant	[illegible]	[illegible]	
Residual Chemical Pollutant	[illegible]	[illegible]	

Section IV: Eligibility for a WPDES Pollutant Discharge General Permit

1. 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 [X] No

   If yes, identify the pollutant(s) __________

   If yes, identify the first surface water or wetland the discharge would enter: __________

2. Will a pollutant be discharged to an Outstanding or Exceptional Resource Water? [ ] Yes [X] No

   If yes, identify the high quality water (listed in s. NR 102.10 or 11, Wis. Adm. Code). __________

CLEAN LAKES

Pest Control Pollutant Discharge
WPDES Permit Request
Form 3400-200 (12/12) Page 2 of 2

5 Could a threatened or endangered species in the vicinity be negatively impacted by a pest control pollutant residual or pollutant discharges beyond the treatment area? ☒ Yes ☐ No

If yes, identify the species. Management practices will be in place to avoid negatively impacting [illegible]

4 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

5 Indicate the type of WPDES coverage being requested. ☐ 1-5 Treatment Sites ☒ Statewide Coverage

For informational purposes, check areas of Wisconsin for most of your aquatic treatments.

☒ NE ☒ NW ☒ SE ☒ SW

6 Do you expect to treat more than 20 acres or 20 miles in a year? ☒ Yes ☐ No

If yes, certain documentation and reporting is required by the permit.

7 Is WPDES coverage being requested for more than 1 year? ☒ Yes ☐ No

If yes, the permittee will remain in "active" WPDES coverage status until a Notice of Termination is submitted.

Certification

I hereby certify that I am the owner or authorized representative (as specified in Ch. NR 205.07(1)(g), Wis. Adm. Code) of the entity requesting coverage under the WPDES permit indicated on the NOI. Based on my inquiry of those persons directly responsible for gathering the information, the information contained in this form and attachments is, to the best of my knowledge and belief, true, accurate and complete.

Signature of Owner or Authorized Representative	Date Signed
Typed or Printed name and Title	Phone # (with area code)
Email Address (if not shown in part I)	

If submitting by mail, send completed forms and maps to:

Department of Natural Resources
Water Permit Central Intake - WT/3
P.O. Box 7185
Madison, WI 53707-7185

CLEAN LAKES

7: Wisconsin DNR Aquatic Plant Management Herbicide Treatment Record

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Aquatic Plant Management Herbicide Treatment Record
Form 3200-111 (R 11/11) Page 1 of 2

Notice: Completion of this form is a condition of the permit and provides records required by WDNR (NR 107) and DATCP (ATCP 29.21 and 29.22). The Department may not issue you future permits unless you complete and submit this form. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Submit this form: (1) immediately if any unusual circumstances occurred during treatment
(2) as soon after treatment as possible, no later than 30 days
(3) by October 1 if no treatment occurred

Completion of this form along with the permit satisfies the requirements of WDNR (NR 107) and DATCP (ATCP 29.21 and 29.22).

General Permit Information

Permit Number	Waterbody Name (including ponds, e.g., Smith Pond)		
	McDill Pond		
County	Permit Holder Name (Customer Name)		
Portage	McDill Inland Lake Protection and Rehabilitation District		
Permit Holder Address	City	State	ZIP Code
3317 Della Street	Stevens Point	WI	54481

Treatment Information

Treatment Date (mm/dd/yyyy)	Starting Time (24 hr)	Ending Time (24 hr)	Water Temp (°C)	Ambient Air Temp (°C)
05/11/2017				

Wind Speed (mph)	Wind Direction	Expected Duration of Chemical Residuals
		< 30 days

Adverse Conditions Noted (i.e., dead fish, spawning fish, algae bloom, etc.)
N/A

If adverse conditions noted, indicate corrective actions taken

Onsite Supervision Present? ○ Yes ◉ No — If Yes, Supervisor Name

Mixing and Loading Site Location (if other than business site or from prepackaged retail container or applied with equipment with a total capacity of not more than 5 gallons liquid or 50 pounds dry)
On boat within treatment site.

Herbicide Treatment and Water Use Restrictions Signs Posted in Accordance With NR 107? ◉ Yes ○ No

Applicator shall provide each customer with a free copy of each pesticide label used (if requested)

Applicator Information

Individual or Business Name			Telephone Number
Clean Lakes, Inc.			715-891-6798
Street Address			
5701 Oak Park Road			
City	State	ZIP Code	
Oakwood Hills	IL	60013	

Individuals Making Pesticide Application	Last Name	First	Certification #
	Wemsink	Amy Kay	90532
	Last Name	First	Certification #
	Last Name	First	Certification #

Name of Person Completing Form	Signature	Date Signed	DNR Use Only
Amy Kay Wemsink			Date Received

Sheet 1 of 1 Date: 5/11/17

Aquatic Plant Management Herbicide Treatment Record

Form 3200-111 (R 11/11) Page 2 of 2

Treatment Site and Chemical Information (attach additional sheets if necessary)

Site No, Property Name, Address / Fire No	Treated Acreage	Permitted Acreage	Sensitive Area?	Latitude	Longitude	Herbicide Name: Reward EPA Reg No.: 100-1091 Amount Applied	Concentration (mg/l = ppm)	Herbicide Name: EPA Reg No.: Amount Applied	Concentration (mg/l = ppm)	Herbicide Name: EPA Reg No.: Amount Applied	Concentration (mg/l = ppm)
A-17	1.3	1.3	☐Y	44.494499°-8	-89.553404°	2.6	0.37				
B-17	6.1	6.1	☐Y	44.496066°	-89.556246°	12.2	0.37				
C-17	7.7	7.7	☐Y	44.496969°	-89.550265°	15.4	0.37				
E-17	0.9	0.9	☐Y	44.502145°	-89.547317°	0.9	0.37				
F-17	0.5	0.5	☐Y	44.503287°	-89.548927°	0.5	0.37				
G-17	7.7	7.7	☐Y	44.503555°	-89.545500°	15.4	0.37				
H-17	7.4	7.4	☐Y	44.503748°	-89.541295°	14.8	0.37				
			☐Y								
			☐Y								
			☐Y								
			☐Y								
			☐Y								
			☐Y								
			☐Y								
			☐Y								
			☐Y								
			☐Y								
			☐Y								
			☐Y								
Totals											

Aquatics at Treatment Site: TS = Target Species SP = Species Present

TS	SP	Site(s)	TS	SP	Site(s)	TS	SP	Site(s)	TS	SP	Other Aquatics	Site(s)
☐	☐ Cattail		☐	☒ Filamentous Algae		☐	☐ Planktonic Algae		☐	☐	White-Stem Pondweed	
☐	☒ Chara		☐	☐ Flat-Stem Pondweed		☐	☐ Purple Loosestrife		☐	☐	Wild Celery	
☐	☒ Coontail		☐	☐ Floating-Leaf Pondweed		☐	☐ Richardson Pondweed		☐	☐		
☐	☒ Curly-Leaf Pondweed		☐	☐ Illinois Pondweed		☐	☐ Robbins Pondweed		☐	☐		
☐	☐ Duckweed		☐	☐ Large-Leaf Pondweed		☐	☐ Sago Pondweed		☐	☐		
☐	☐ Elodea		☐	☐ Northern Milfoil		☐	☐ Watershield		☐	☐		
☒	☐ Eurasian/hybrid Milfoil		☐	☐ Phragmites		☐	☒ White Water Lily		☐	☐		

8: Product Label and MSDS: Reward

PULL HERE TO OPEN

Reward®

Landscape and aquatic herbicide

syngenta®

Herbicide

TO PREVENT ACCIDENTAL POISONING, NEVER PUT INTO FOOD, DRINK, OR OTHER CONTAINERS, AND USE STRICTLY IN ACCORDANCE WITH ENTIRE LABEL.

DO NOT USE THIS PRODUCT FOR REFORMULATION.

Active Ingredient:	
Diquat dibromide [6,7-dihydrodipyrido (1,2-a:2',1'-c) pyrazinediium dibromide]	37.3%
Other Ingredients:	62.7%
Total:	100.0%

Contains 2 lbs. diquat cation per gal. (3.73 lbs. diquat dibromide per gal.)

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements on label.

EPA Reg. No. 100-1091 EPA Est. 100-LA-001

Product of United Kingdom

Formulated in the USA

SCP 1091A-L2G 1009

4034800

2.5 gallons

Net Contents

TM

FIRST AID	
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIANS To be effective, treatment for diquat poisoning must begin **IMMEDIATELY**. Treatment consists of binding diquat in the gut with suspensions of activated charcoal or bentonite clay, administration of cathartics to enhance elimination, and removal of diquat from the blood by charcoal hemoperfusion or continuous hemodialysis.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing.

continued...

PRECAUTIONARY STATEMENTS *(continued)*

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils. If you want more options, follow the instructions for Category A on an EPA Chemical Resistance Category Selection Chart.

Mixers, Loaders, Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants or coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- Face shield when mixing or loading

Exception: After this product has been diluted to 0.50% Reward or less in water (i.e., the labeled rate for some spot applications), applicators for AQUATIC SURFACE APPLICATIONS must, at a minimum, wear (Note - Mixers and Loaders for this application method must still wear the personal protective equipment (PPE) as described in the above section):

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Protective eyewear

Exception: At a minimum, applicators for AQUATIC SUBSURFACE APPLICATIONS must wear (Note - Mixers and Loaders for this application method must still wear the personal protective equipment (PPE) as described in the above section):

- Short-sleeved shirt and short pants
- Waterproof gloves
- Chemical-resistant footwear plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

Mixers and loaders supporting aerial applications are required to use closed systems that provide dermal protection. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)]. When using the closed system, mixers and loaders' PPE requirements may be reduced or modified as specified in the WPS.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Prolonged contact of the product with the skin may produce burns.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to aquatic invertebrates. **For Terrestrial Uses**, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. **For Aquatic Uses** do not apply directly to water except as specified on this label.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over short-sleeved shirt and short pants, or coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep all unprotected persons out of operating areas or vicinity where there may be drift.

For terrestrial uses, do not enter or allow entry of maintenance workers into treated areas, or allow contact with treated vegetation wet with spray, dew, or rain, without appropriate protective clothing until spray has dried.

For aquatic uses, do not enter treated areas while treatments are in progress.

SPECIFIC USE DIRECTIONS

Reward Landscape and Aquatic Herbicide is a nonvolatile herbicidal chemical for use as a general herbicide to control weeds in commercial greenhouses and nurseries; ornamental seed crops (flowers, bulbs, etc. – except in the state of California); landscape, industrial, recreational, commercial, residential, and public areas; turf renovation (all turf areas except commercial sod farms); dormant established turfgrass (bermudagrass, zoysiagrass – nonfood or feed crop); and aquatic areas. Absorption and herbicidal action is usually quite rapid with effects visible in a few days. Reward Landscape and Aquatic Herbicide controls weeds by interfering with photosynthesis within green plant tissue. Weed plants should be succulent and actively growing for best results. Rinse all spray equipment thoroughly with water after use. Avoid spray drift to crops, ornamentals, and other desirable plants during application, as injury may result. Application to muddy water may result in reduced control. Minimize creating muddy water during application. Use of dirty or muddy water for Reward Landscape and Aquatic Herbicide dilution may result in reduced herbicidal activity. Avoid applying under conditions of high wind, water flow, or wave action.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations.

- The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they should be observed.

Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (See **Wind, Temperature and Humidity,** and **Temperature Inversions**).

Controlling Droplet Size

- **Volume** – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** – Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made at a height greater than 10 ft. above the top of the target plants, unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

The pesticide should only be applied when the wind is blowing away from adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops).

COMMERCIAL GREENHOUSES AND NURSERIES

For general weed control in commercial greenhouses (beneath benches), field grown and container stock, and other similar areas, Reward Landscape and Aquatic Herbicide may be applied preplant or postplant preemergence in field grown ornamental nursery plantings or postemergence as a directed spray. Reward Landscape and Aquatic Herbicide may also be applied preemergence in ornamental seed crops (except in the state of California). Avoid contact with desirable foliage as injury may occur. Do not use on food or feed crops.

Spot spray: 1-2 qts. Reward Landscape and Aquatic Herbicide plus the labeled rate of a 75% or greater nonionic surfactant per 100 gals. of water, or 0.75 oz. (22 mls.) Reward Landscape and Aquatic Herbicide plus the labeled rate of a 75% or greater nonionic surfactant per 1 gal. of water.

Broadcast: 1-2 pts. Reward Landscape and Aquatic Herbicide in a minimum of 15 gals. of water per acre. Add the labeled rate of a 75% or greater nonionic surfactant per 100 gals. of spray mixture. Use an adequate spray volume to insure good coverage.

ORNAMENTAL SEED CROPS (FLOWERS, BULBS, ETC.) EXCEPT IN THE STATE OF CALIFORNIA

For preharvest desiccation of ornamental seed crops. NOT FOR FOOD OR FIBER CROPS.

Broadcast (Air or Ground): 1.5-2 pts. Reward Landscape and Aquatic Herbicide plus the labeled rate of a 75% or greater nonionic surfactant per acre in sufficient water (minimum of 5 gals. by air; 15 gals. by ground) for desiccation and weed burndown. Repeat as needed at no less than 5-day intervals up to three applications. Do not use seed, screenings, or waste as feed or for consumption.

DIRECTIONS FOR LANDSCAPE, INDUSTRIAL, RECREATIONAL, COMMERCIAL, RESIDENTIAL, AND PUBLIC AREAS

Reward Landscape and Aquatic Herbicide provides fast control of broadleaf and grassy weeds in industrial, recreational, golf course, commercial, residential, and public areas.

Reward Landscape and Aquatic Herbicide is a nonselective herbicide that rapidly kills undesirable above ground weed growth in 24-36 hours. Avoid application of Reward Landscape and Aquatic Herbicide to desirable plants.

Reward Landscape and Aquatic Herbicide is a contact/desiccant herbicide; it is essential to obtain complete coverage of the target weeds to get good control. Improper application technique and/or application to stressed weeds may result in unacceptable weed control. For best results, apply to actively growing, young weeds.

Difficult weeds (such as perennial or deeply-rooted weeds) can often be controlled by tank mixing Reward Landscape and Aquatic Herbicide with other systemic-type herbicides. Refer to other product labels for specific application directions.

For residual weed control, tank mix Reward Landscape and Aquatic Herbicide with a preemergent herbicide labeled for the intended use site. When mixing Reward Landscape and Aquatic Herbicide with another herbicide, it is recommended to mix just a small amount first to determine if the mixture is physically compatible before proceeding with larger volumes.

Syngenta has not tested all possible tank mixtures with other herbicides for compatibility, efficacy or other adverse effects. Before mixing with other herbicides Syngenta recommends you first consult your state experimental station, state university or extension agent.

Grounds maintenance weed control: Reward Landscape and Aquatic Herbicide can be used as a spot or broadcast spray to control weeds in public, commercial and residential landscapes, including landscape beds, lawns, golf courses and roadsides. Reward Landscape and Aquatic Herbicide can also be used for weed control around the edges and nonflooded portions of ponds, lakes and ditches.

Trim and Edge weed control: Reward Landscape and Aquatic Herbicide can be used to eliminate undesired grass and broadleaf plant growth in a narrow band along driveways, walkways, patios, cart paths, fence lines, and around trees, ornamental gardens, buildings, other structures, and beneath noncommercial greenhouse benches. Vegetation control with Reward Landscape and Aquatic Herbicide is limited to the spray application width. Do not exceed the labeled rate of Reward Landscape and Aquatic Herbicide as excessive rates may result in staining of concrete-based materials.

Reward Landscape and Aquatic Herbicide, since it does not translocate systemically, can be used as an edging or pruning tool when precisely applied to select areas of grass or to undesirable growth on desirable ornamental bedding plants, ground covers, etc.

Industrial weed control: Reward Landscape and Aquatic Herbicide can be used as a spot or broadcast spray either alone or in combination with other herbicides as a fast burndown or control weeds in rights-of-ways, railroad beds/yards, highways, roads, dividers and medians, parking lots, pipelines, pumping stations, public utility lines, transformer stations and substations, electric utilities, storage yards, and other non-crop areas.

Spot spray: Apply either 1-2 qts. of Reward Landscape and Aquatic Herbicide plus the labeled rate of a 75% or greater nonionic surfactant per 100 gals. water, or 0.75 oz. (22 mls.) Reward Landscape and Aquatic Herbicide plus the labeled rate of a 75% or greater nonionic surfactant per 1 gal. of water.

Broadcast: 1-2 pts. Reward Landscape and Aquatic Herbicide per acre in sufficient water to insure good spray coverage. Add the labeled rate of 75% or greater nonionic surfactant per 100 gals. spray mixture. Greater water volumes are necessary if the target plants are tall and/or dense. It is recommended that 60 gals. or greater water volume be used to obtain good coverage of dense weeds.

TURF RENOVATION (ALL TURF AREAS EXCEPT COMMERCIAL SOD FARMS)

To desiccate golf course turf and other turf areas prior to renovation, apply 1-2 pts. of Reward Landscape and Aquatic Herbicide per acre plus the labeled rate of a 75% or greater nonionic surfactant in 20-100 gals. of water (4 teaspoons of Reward Landscape and Aquatic Herbicide plus the labeled rate of a 75% or greater nonionic surfactant per 1 gal. of water) using ground spray equipment. Apply for full coverage and thorough contact with the turfgrass. Apply only when the turf is dry, free from dew and incidental moisture. For enhanced turf desiccation, especially in the case of thick turfgrass, water volumes should approach 100 gals. of water per acre.

For **suppression** of regrowth and quick desiccation of treated turfgrass, Reward Landscape and Aquatic Herbicide may be mixed with other systemic nonselective or systemic postemergence grassy weed herbicides. Refer to other product labels for specific application directions and restrictions.

Avoid spray contact with, or spray drift to, foliage of ornamental plants or food crops.

Do not graze livestock on treated turf or feed treated thatch to livestock.

DORMANT ESTABLISHED TURFGRASS (BERMUDAGRASS, ZOYSIAGRASS), NONFOOD OR FEED CROP

For control of emerged annual broadleaf and grass weeds, including Little Barley*, Annual Bluegrass, Bromes including Rescuegrass, Sixweeks fescue, Henbit, Buttercup, and Carolina Geranium in established dormant bermudagrass lawns, parks, golf courses, etc.

Apply 1-2 pts. Reward Landscape and Aquatic Herbicide per acre in 20-100 gals. of spray mix by ground as a broadcast application. Add the labeled rate of a 75% or greater nonionic surfactant per 100 gals. of spray mixture.

Bermudagrass must be dormant at application. Application to actively growing bermudagrass may cause delay or permanent injury. Users in the extreme Southern areas should be attentive to the extent of dormancy at the time of application.

*For control of Little Barley, apply Reward Landscape and Aquatic Herbicide prior to the mid-boot stage.

AQUATIC USE DIRECTIONS

New York – Not for Sale or Use in New York State without Supplemental Special Local Needs Labeling.

Necessary approval and/or permits must be obtained prior to application if required. Consult the responsible State Agencies (i.e., Fish and Game Agencies, State Water Conservation authorities, or Department of Natural Resources).

Treatment of dense weed areas may result in oxygen loss from decomposition of dead weeds. This loss of oxygen may cause fish suffocation. Therefore, treat only 1/3 to 1/2 of the water body area at one time and wait 14 days between treatments.

For best results on submersed weeds, Reward Landscape and Aquatic Herbicide should be applied to actively growing (photosynthesizing) weeds when water temperatures have reached or exceeded approximately 50°F, typically during the Spring or early Summer.

For application only to **still water** (i.e. ponds, lakes, and drainage ditches) where there is minimal or no outflow to public waters.

and/or

For applications to **public waters** in ponds, lakes, reservoirs, marshes, bayous, drainage ditches, canals, streams, rivers, and other slow-moving or quiescent bodies of water for control of aquatic weeds. For use by:

- Corps of Engineers; or
- Federal or State Public Agencies (i.e., Water Management District personnel, municipal officials); or
- Applicators and/or Licensees (certified for aquatic pest control) that are authorized by the State or Local government.

Treated water may be used according to the following table or until such time as an approved assay (example: PAM II Spectromatic Method) shows that the water does not contain more than the designated maximum contaminant level goal (MCLG) of 0.02 mg/l. (ppm) of diquat dibromide (calculated as the cation).

Water Use Restrictions Following Applications With Reward Landscape And Aquatic Herbicide (Days)

Application Rate	Drinking	Fishing and Swimming	Livestock/ Domestic Animals Consumption	Spray Tank Applications** and Irrigation to Turf and Landscape Ornamentals	Spray Tank Applications** and Irrigation to Food Crops and Production Ornamentals
2 gals./surface acre	3 days	0	1 day	3 days	5 days
1 gal./surface acre	2 days	0	1 day	2 days	5 days
0.75 gal./surface acre	2 days	0	1 day	2 days	5 days
0.50 gal./surface acre	1 day	0	1 day	1 day	5 days
Spot Spray* (<0.5 gal./surface acre)	1 day	0	1 day	1 day	5 days

*Add a nonionic surfactant (with at least 75% of the constituents active as a spray adjuvant) at the rate recommended by the manufacturer.

**For preparing agricultural sprays for food crops, turf or ornamentals (to prevent phytotoxicity), do not use water treated with Reward Landscape and Aquatic Herbicide before the specified time period.

When the contents of more than one spray tank is necessary to complete a single aquatic application, no water holding restrictions apply between the consecutive spray tanks.

No applications are to be made in areas where commercial processing of fish, resulting in the production of fish protein concentrate or fish meal, is practiced. Before application, coordination and approval of local and/or State authorities must be obtained.

Floating and Marginal Weeds Including:

Water lettuce, *Pistia stratiotes*
Water hyacinth, *Eichhornia crassipes*
Duckweed, *Lemna* spp.
Salvinia spp. (including *S. molesta*)
Pennywort (*Hydrocotyle* spp.)
Frog's Bit[1], *Limnobium spongia*
Cattails, *Typha* spp.

[1]Not for use in California

Reward Landscape and Aquatic Herbicide may be applied by backpack, airboat, spray handgun, helicopter, airplane, or similar application equipment that results in thorough spray coverage.

Spot Treatment: Apply Reward Landscape and Aquatic Herbicide at 2 quarts per 100 gallons spray carrier (0.5% solution) with an approved aquatic wetting agent at 0.25-1.0% v/v (1 quart to 1 gallon per 100 gallons water). For cattail control, Reward Landscape and Aquatic Herbicide should be applied prior to flowering at the maximum application rate (8 quarts of Reward Landscape and Aquatic Herbicide/100 gallons spray carrier) plus the wetting agent. Repeat treatments may be necessary for complete control.

Spray to completely wet target weeds but not to runoff. Densely packed weeds or mats may require additional applications due to incomplete spray coverage. Re-treat as needed. For best results, re-treat weed escapes within 2 weeks of the initial treatment.

Broadcast Treatment: Apply Reward Landscape and Aquatic Herbicide at the rate of 0.5-2.0 gallons per surface acre in sufficient carrier along with 16-32 oz./A of an approved wetting agent. Re-treat as necessary for densely populated weed areas. Good coverage is necessary for control of the target weeds.

For duckweed control, apply Reward Landscape and Aquatic Herbicide at 1-2 gallons/A.

Submersed Weeds Including:
Bladderwort, *Utricularia* spp.
Hydrilla, *Hydrilla verticillata*
Watermilfoils (including Eurasian), *Myriophyllum* spp.
Pondweeds[1], *Potamogeton* spp.
Coontail, *Ceratophyllum demersum*
Elodea, *Elodea* spp.
Brazilian Elodea, *Egeria densa*
Naiad, *Najas* spp.
Algae[2], *Spirogyra* spp. and *Pithophora* spp.

[1]Reward Landscape and Aquatic Herbicide controls *Potamogetan* species except Richardson's pondweed, *P. richardsonii*.

[2]Suppression only. For control of *Spirogyra* and/or *Pithophora*, use Reward Landscape and Aquatic Herbicide in a tank mix with an approved algaecide.

For severe weed or algae infestations, the use of an approved algaecide either as a pretreatment to the Reward Landscape and Aquatic Herbicide application or in a tank mix, may result in enhanced weed control.

To control submersed weeds, apply Reward Landscape and Aquatic Herbicide in water at 0.5-2.0 gallons per surface acre (per 4 foot water depth). For severe weed infestations, use the 2.0 gallon per surface acre rate. For best results, re-treat as necessary on 14-21 day intervals. The table below shows how many gallons of Reward Landscape and Aquatic Herbicide to apply per surface acre based on water depth.

	Gallons of Reward Landscape and Aquatic Herbicide per Surface Acre Average Water Depth			
	1 Foot	2 Feet	3 Feet	4 Feet
1 gallon/acre rate	0.25 gal.	0.50 gal.	0.75 gal.	1.0 gal.
2 gallon/acre rate	0.50 gal.	1.0 gal.	1.5 gals.	2.0 gals.

Note: For water depths of 2 feet or less including shorelines, do not exceed 1 gallon per surface acre.

Subsurface Applications: Where the submersed weed growth, especially Hydrilla, has reached the water surface, apply either in a water carrier or an invert emulsion through boom trailing hoses carrying nozzle tips to apply the dilute spray below the water surface to insure adequate coverage.

Bottom Placement: Where submersed weeds such as Hydrilla, Bladderwort, or Coontail have reached the water surface and/or where the water is slowly moving through the weed growth, the use of an invert emulsion carrier injecting diluted Reward Landscape and Aquatic Herbicide near the bottom with weighted hoses may improve control. The addition of a copper based algaecide may improve control. If algae are present along with the submersed weeds, a pretreatment with a copper based algaecide may improve overall control.

Surface Application for Submerged Aquatic Weeds: Apply the recommended rate of Reward Landscape and Aquatic Herbicide as a spray in sufficient carrier to fully cover the target area. Applications should be made to ensure complete coverage of the weed areas. In mixed weed populations, use the high rate of application as indicated by weeds present. For dense submersed weeds or water over 2 feet deep, a surface spray is not recommended (Reward Landscape and Aquatic Herbicide should be applied subsurface in these situations.)

If posting is required by your state or tribe – consult the agency responsible for pesticide regulations for specific details.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not contaminate feed, foodstuffs, or drinking water. Do not store or transport near feed or food. Store at temperatures above 32°F. For help with any spill, leak, fire, or exposure involving this material, call 1-800-888-8372.

Pesticide Disposal

Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling [less than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Reward®
Landscape and aquatic herbicide

Landscape and Aquatic Herbicide

TO PREVENT ACCIDENTAL POISONING, NEVER PUT INTO FOOD, DRINK, OR OTHER CONTAINERS, AND USE STRICTLY IN ACCORDANCE WITH ENTIRE LABEL.

DO NOT USE THIS PRODUCT FOR REFORMULATION.

Active Ingredient:	
Diquat dibromide [6,7-dihydrodipyrido (1,2-a:2',1'-c) pyrazinediium dibromide]	37.3%
Other Ingredients:	62.7%
Total:	100.0%

Contains 2 lbs. diquat cation per gal. (3.73 lbs. diquat dibromide per gal.)

See additional precautionary statements in booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1091
EPA Est. 100-LA-001

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Manufactured for:
Syngenta Crop Protection, LLC
P. O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1091A-L2G 1009
4034800

(01) 0 07 02961 73710 5

KEEP OUT OF REACH OF CHILDREN.

CAUTION

FIRST AID

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIANS: To be effective, treatment for diquat poisoning must begin IMMEDIATELY. Treatment consists of binding diquat in the gut with suspensions of activated charcoal or bentonite clay, administration of cathartics to enhance elimination, and removal of diquat from the blood by charcoal hemoperfusion or continuous hemodialysis.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing.

Environmental Hazards: This pesticide is toxic to aquatic invertebrates. For Terrestrial Uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. For Aquatic Uses do not apply directly to water except as specified on this label.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not contaminate feed, foodstuffs, or drinking water. Do not store or transport near feed or food. Store at temperatures above 32°F. For help with any spill, leak, fire, or exposure involving this material, call 1-800-888-8372.

Pesticide Disposal: Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling [less than 5 gallons]: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

2.5 gallons
Net Contents

syngenta®

CLEAN LAKES

syngenta

MATERIAL SAFETY DATA SHEET

Syngenta Crop Protection, Inc.
Post Office Box 18300
Greensboro, NC 27419

In Case of Emergency, Call
1-800-888-8372

1. PRODUCT IDENTIFICATION

Product Name: **REWARD LANDSCAPE AND AQUATIC HERBICIDE** Product No.: A12872A

EPA Signal Word: Caution

Active Ingredient(%): Diquat dibromide (37.3%) CAS No.: 85-00-7

Chemical Name: [6,7-dihydrodipyrido(1,2-a:2',1'-c)pyrazinediium dibromide]

Chemical Class: Bipyridilium (dipyridilium) contact herbicide

EPA Registration Number(s): 100-1091 **Section(s) Revised: 1, 8, 11**

2. HAZARDS IDENTIFICATION

Health and Environmental

Toxic by inhalation. Irritating to eyes and skin. Harmful if swallowed.

Hazardous Decomposition Products

Flammable hydrogen gas may be formed on contact with aluminum. See "Conditions to Avoid", Section 10.
May decompose at high temperatures forming toxic gases.

Physical Properties

Appearance: Dark brown liquid

Odor: Odorless

Unusual Fire, Explosion and Reactivity Hazards

This product may form flammable and explosive hydrogen gas when in contact with aluminum.
During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Diquat dibromide (37.3%)	Not Established	0.5 mg/m³ TWA (inhalable); 0.1 mg/m³ TWA (respirable), skin	0.5 mg/m³ TWA (0.5 total; 0.08 respirable) ***	No

*** Syngenta Occupational Exposure Limit (OEL)

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.
Syngenta Hazard Category: B

4. FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call Syngenta (800-888-8372), a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling 800-888-8372 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Inhalation: If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call Syngenta (800-888-8372), a poison control center or doctor for further treatment advice

Notes to Physician

To be effective, treatment for ingestion of the product must begin IMMEDIATELY. Treatment consists of binding the active ingredient, diquat, in the gut with suspensions of activated charcoal or bentonite clay, administration of cathartics to enhance elimination and removal of diquat from the blood by charcoal hemoperfusion or continuous hemodialysis.

Medical Condition Likely to be Aggravated by Exposure

None known.

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method):	Not Applicable	
Flammable Limits (% in Air):	Lower: Not Applicable	Upper: Not Applicable
Autoignition Temperature:	Not Applicable	
Flammability:	Not Applicable	

Unusual Fire, Explosion and Reactivity Hazards

This product may form flammable and explosive hydrogen gas when in contact with aluminum.
During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire

Use dry chemical, foam or CO2 extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

This product reacts with aluminum to produce flammable hydrogen gas. Do not mix or store in containers or systems made of aluminum or having aluminum fittings.

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWENG RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Ingestion:	Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
Eye Contact:	Where eye contact is likely, use chemical splash goggles.
Skin Contact:	Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.
Inhalation:	A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits. In case of emergency spills, use a NIOSH approved respirator with any N, R, P or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark brown liquid
Odor:	Odorless
Melting Point:	Not Applicable
Boiling Point:	Not Available
Specific Gravity/Density:	1.20 g/ml @ 68°F (20°C)
pH:	4 - 6

Solubility in H2O

Diquat dibromide:	718,000 mg/l @ 68°F (20°C) and pH 7.2

Vapor Pressure

Diquat dibromide:	< 10(-8) mmHg @ 77°F (25°C)

10. STABILITY AND REACTIVITY

Stability:	Stable under normal use and storage conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Concentrate should not be stored in aluminum containers. Spray solutions should not be mixed, stored or applied in containers other than plastic, plastic-lined steel, stainless steel or fiberglass.
Materials to Avoid:	Strong alkalis and anionic wetting agents (e.g., alkyl and alkylaryl sulfonates). Corrosive to aluminum.
Hazardous Decomposition Products:	Flammable hydrogen gas may be formed on contact with aluminum. See "Conditions to Avoid", Section 10. May decompose at high temperatures forming toxic gases.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Finished Product)

Ingestion:	Slightly Toxic	
	Oral (LD50 Female Rat) :	= 886 mg/kg body weight
Dermal:	Practically Non-Toxic	
	Dermal (LD50 Rat) :	> 5050 mg/kg body weight
Inhalation:	Slightly Toxic	
	Inhalation (LC50 Rat) :	= 0.62 mg/l air - 4 hours
Eye Contact:	Mildly Irritating (Rabbit)	
Skin Contact:	Slightly Irritating (Rabbit)	

Skin Sensitization: Not a Sensitizer (Guinea Pig)

Reproductive/Developmental Effects

Diquat dibromide: Mutagenicity: No evidence in in vivo assays.
Development Toxicity: In rabbit studies a small percentage of fetuses had minor defects at 3 and 10 mg ion/kg/d.

Chronic/Subchronic Toxicity Studies

Diquat dibromide: Kidney weight decreases and cataracts seen in dogs at 12.5 mg ion/kg/d.
No evidence for neurotoxic effects in rats dosed up to 400 ppm ion in the diet for 13 weeks.

Carcinogenicity

Diquat dibromide: No evidence of carcinogenicity in rat and mouse studies.

Other Toxicity Information

None

Toxicity of Other Components

Not Applicable

Target Organs

Active Ingredients

Diquat dibromide: Eye, kidney

Inert Ingredients

Not Applicable

12. ECOLOGICAL INFORMATION

Summary of Effects

Diquat dibromide:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Eco-Acute Toxicity

Diquat dibromide:

Fish (Rainbow Trout) 96-hour LC50 14.83 ppm
Fish (Bluegill Sunfish) 96-hour LC50 13.9 ppm
Bird (Mallard Duck) LD50 Oral 60.6 mg/kg
Bird (Bobwhite Quail) 8-day dietary LC50 2932
Bird (Mallard Duck) 8-day dietary LC50 > 5000 ppm
Bee (Contact) LD50 100 ug/bee
Invertebrate (Water Flea) 48-hour EC50 0.77 ppm
Green Algae 4-day EC50 9.4 ppb

Eco-Chronic Toxicity

Diquat dibromide:

Invertebrate (Water Flea) 21-day LOEC 0.17 ppm
Bird (Mallard Duck) Reproduction LOEL 25 ppm
Fish (Fathead Minnow) 34-day LOEC 1.5 ppm

Environmental Fate

Diquat dibromide:

The information presented here is for the active ingredient, diquat dibromide.
Stable in soil and water. Immobile in soil. Sinks in water (after 24 h).

13. DISPOSAL CONSIDERATIONS

Disposal

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification

Ground Transport - NAFTA
Proper Shipping Name: Corrosive Liquid, N.O.S. (Diquat Dibromide)
Hazard Class or Division: Class 8
Identification Number: UN 1760
Packing Group: PG III

B/L Freight Classification

Herbicides, NOI (NMC Class 60)

Comments

Water Transport - International
Proper Shipping Name: Corrosive Liquid, N.O.S. (Diquat Dibromide)
Hazard Class or Division: Class 8
Identification Number: UN 1760
Packing Group: PG III

Air Transport - International
Proper Shipping Name: Corrosive Liquid, N.O.S. (Diquat Dibromide)
Hazard Class or Division: Class 8
Identification Number: UN 1760
Packing Group: PG III
Packing Instructions: Passenger - 818, Cargo 820
Packaging Limitations: Inner packages over 5 liters and single packages over 60 liters cannot be shipped by cargo aircraft; Inner packages over 2.5 liters and outer packages over 5 liters cannot be shipped by passenger aircraft.

15. REGULATORY INFORMATION

EPCRA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard
Chronic Health Hazard

Section 313 Toxic Chemicals: Not Applicable

California Proposition 65

None

CERCLA/SARA 302 Reportable Quantity (RQ)

Report product spills >= 268 gal. (based on diquat [RQ = 1,000 lbs.] content in the formulation)

RCRA Hazardous Waste Classification (40 CFR 261)

Not Applicable

TSCA Status

Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

CLEAN LAKES

NFPA Hazard Ratings		HMIS Hazard Ratings	
Health:	2	Health:	2
Flammability:	1	Flammability:	1
Instability:	0	Reactivity:	0

0	Minimal
1	Slight
2	Moderate
3	Serious
4	Extreme

For non-emergency questions about this product call:

1-800-334-9481

Original Issued Date: 4/11/2002
Revision Date: 7/24/2007 Replaces: 6/27/2007

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

End of MSDS

10: Site Specific Safety Plan

REWARD
AQUATIC HERBICIDE APPLICATIONS

McDill Pond, Portage County, WI

1.0 ORGANIZATIONAL STRUCTURE: This chapter of the Site Specific Health and Safety Plan (HASP) describes lines of authority, responsibility, and communication for health and safety functions at this site. The purpose of this chapter is to identify the personnel involved in the development and implementation of the site health and safety plan and to describe their roles and responsibilities.

The organizational structure of this site's safety and health program is consistent with OSHA requirements in 29 CFR 1910.120(b)(2) and provides the following site-specific information:

- The general supervisor who is the site safety and health officer and has the responsibility and authority to direct all operations.
- Other personnel needed for cleanup operations and emergency response and their general functions and responsibilities.
- The lines of authority, responsibility, and communication for safety and health functions.

1.1 Roles and Responsibilities

All personnel and visitors on this site must comply with the requirements of this HASP. The specific responsibilities and authority of management, safety and health, and other personnel on this site are detailed in the following paragraphs.

Project Manager (PM): CLI's Overall Project Manager (PM) for this site is **Amy Kay**. The PM has responsibility and authority to direct all work operations. The PM bears ultimate responsibility for the proper implementation of this HASP. The specific duties of the PM are:

Preparing and coordinating the site work plan; providing site supervisor(s) with work assignments and overseeing their performance; coordinating safety and health efforts with the Site Safety and Health Officer (SSHO); serving as primary site liaison with public agencies and officials and site contractors.

Site Safety and Health Officer (SSHO): Amy Kay will act as the Site Safety and Health Officers (SSHO): The SSHO has full responsibility and authority to develop and implement this HASP and to verify compliance. The SSHO is on site or readily accessible to the site during all work operations and has the authority to halt site work if unsafe conditions are detected. The specific responsibilities of the SSHO are:

Managing the safety and health functions on this site; serving as the site's point of contact for safety and health matters; ensuring site monitoring, and effective selection and use of PPE; assessing site conditions for unsafe acts and conditions and providing corrective action; assisting the preparation and review of this HASP; responsible for assessing site conditions and directing

and controlling emergency response activities and personnel in accordance with the Site Emergency Response Plan.

Site Workers/Subcontractors: Site workers and subcontractors are responsible for complying with this HASP, using the proper PPE, reporting unsafe acts and conditions, and following the lines of authority established for this project site.

2.0 SITE CHARACTERIZATIONS AND JOB HAZARD ANALYSIS

(In compliance with 29 CFR 1910.120(b)(4)(ii)(A), 1910.120(c) and 1910.120(i))

This section of the HASP identifies and describes safety and health hazards associated with site work. The purpose of characterization and job hazard analysis is to identify and quantify the health and safety hazards associated with each site task and operation, and to evaluate the risks to workers. With this information, risks are then eliminated if possible, or effectively controlled. The information contained in this section of the HASP is essential to effective preparation of all other sections of the HASP. This section site of the HASP includes:

- Job hazard analysis.
- Chemical hazard information.
- Employee notification of hazards.

2.1 Job Hazard Analysis

Table 2.1a contains the job hazard analysis information for this site and the planned hazard controls. This table lists each task or operation required for this site location. Chemical hazards and their known or anticipated concentrations are identified for each distinct combination of location and task/operation. Based on the task/operation at a particular location, anticipated physical hazards are also identified. Then, based on the best available knowledge of how that task/operation will be performed, the likelihood of exposure to the hazards identified for the task/operation at that location is indicated.

The final section in Table 2.1a lists the control measures implemented to protect employees from the hazards identified. The information provided here is designed to satisfy the job hazard analysis requirements of 1910.120(b)(4)(ii)(A) and the workplace hazard assessment requirements of 1910.132(d).

Table 2.1b summarizes health hazard information for Reward (diquat) listed in Table 2.1a.

Table 2.1a: Site-Specific Job Hazard Analysis

JHA Number: 01	**Task/Operation** **Loading, Mixing and Handling of herbicide into boat and tanks.**	**Location Where Task/Operation Performed** **Sites: McDill Pond, shore and in boat.**
Date(s) this JHA Conducted:	**Employee Certifying this JHA** (in accordance with 1910.132(d)(2))	
	Print Name: **Amy Kay**	**Signature**

CLEAN LAKES

Chemical Hazards			
Chemical Name	**Source**	**Concentration**	**Exposure Potential during Task/ Operation**
Reward	**2.5 gallon containers**	**Reward: 37.3%**	☐ Likely ☒ **Unlikely**

Physical Hazards		
Name of Physical Hazard	**Source**	**Exposure Potential during Task/ Operation**
Exposure to chemicals	**Handling, loading and mixing**	☐ Likely ☒ **Unlikely**
Falling down, tripping	**Uneven Banks, hoses, pumps**	☐ Likely ☒ **Unlikely**
Chemical exposure	**Spills, leaks, inhalation**	☐ Likely ☒ **Unlikely**

Control Measures Used

Engineering Controls: Spill Kits in vehicles; Use of absorbent mats and dikes to contain any spillage or leakage. All equipment serviced and pre-checked for problems.

Work Practices: Exercise care when loading and handling, exercise care when moving and transporting equipment and use proper Personnel Protection Equipment (PPE) to reduce exposure hazards.

PPE: Eye Protection (glasses), Rubber Gloves, Rubber Boots, Full-length Protective Suit (Tyvek), and face mask. Have first aid kits, soap and water and eye wash kits at loading sites and in boats.

JHA Number: 02	**Task/Operation** Applying herbicide to lake.	**Location Where Task/Operation Performed** Sites: McDill Pond
Date(s) this JHA Conducted:	**Employee Certifying this JHA** (in accordance with 1910.132(d)(2))	
	Print Name: Amy Kay	**Signature**

Chemical Hazards			
Chemical Name	**Source**	**Concentration**	**Exposure Potential during Task/ Operation**
Reward	**2.5 gallon containers**	**Reward: 37.3%**	☐ Likely ☒ **Unlikely**

Physical Hazards		
Name of Physical Hazard	**Source**	**Exposure Potential during Task/ Operation**
Exposure to chemicals	**Loading, applying, leaks, blown hoses**	☐ Likely ☒ **Unlikely**
Falling overboard and or off equipment.	**Water, slippery equipment**	☐ Likely ☒ **Unlikely**

Control Measures Used

Engineering Controls: Arrange pumps, tanks and hoses to reduce tripping hazards. Have Spill Kits ready and available. Use PPE.

Work Practices: Exercise care when loading and handling herbicide; exercise care when moving and transporting equipment and use proper PPE to reduce exposure hazards. Exercise caution when ascending and descending banks and traversing shorelines. Exercise care when applying herbicide. Pay attention to surroundings.

PPE: Eye Protection (glasses), Rubber Gloves, Rubber Boots, Full-length Protective Suit (Tyvek), and face mask. Have first aid kits and eye wash kits in the boats and appropriate floatation equipment.

Table 2.1b Hazard Substance Information

Hazardous Substance Name	Characteristics of Substance	Route(s) of Entry	Target Organ(s) Effects	Toxicological Data	Exposure Signs & Symptoms
Reward Diquat dibromide [6,7-dihydrodipyrido (1,2-a:2'1'-c) pyrazinediium dibromide]	Corrosive Signal Word CAUTION	Skin contact, Ingestion, Inhalation, Eyes	Skin, Stomach, Lungs, Eyes.	Oral rat = 886 mg/kg body weight Dermal rat >5050 mg/kg body weight Inhalation rat >0.62 mg/1 air-4 hours	Skin, Stomach, Lungs, Eye Irritation

2.3 Employee Notification of Hazards and Overall Site Information Program

The information in Tables 2.1a and 2.1b is made available to all employees who could be affected by hazards prior to the time they begin their work activities. Modifications to these tables are communicated during routine briefing

3.0 EMERGENCY RESPONSE PLAN

(In compliance with 29 CFR 1910.120(b)(4)(ii)(H) and 29 CFR 1910.120(l)

This is the site-specific emergency response plan. This chapter of the HASP describes potential emergencies at this site, procedures for responding to those emergencies, roles and responsibilities during emergency response, and training that workers must receive in order to follow emergency procedures. This chapter also describes the provisions this site has made to coordinate its emergency response planning with other contractors on site and with off-site emergency response organizations.

This emergency response plan is consistent with the requirements of paragraph (l) of HAZWOPER and provides the following site-specific information:

- Pre-emergency planning.
- On-site emergency response equipment and PPE.
- Emergency maps: evacuation routes and route to nearest hospital.
- Emergency roles and responsibilities.
- Emergency response procedures.
- Emergency decontamination, medical treatment and first aid.
- Emergency response training.

3.1 Pre-emergency Planning

This site has been evaluated for potential emergency occurrences, based on site hazards and the tasks within the work plan.

Table 3-1 Potential Site Emergencies

Type of Emergency	Source of Emergency	Location of Source
Chemical spills and exposures	Hoses, pumps, tanks, containers, boats and trucks	All Loading, handling and treatment areas
Physical Injury	Falling, Tripping, Drowning, Human interaction with equipment, the environment and trucks, exposure to chemicals	All loading, handling, transportation and herbicide application

3.2 On-Site Emergency Response Equipment

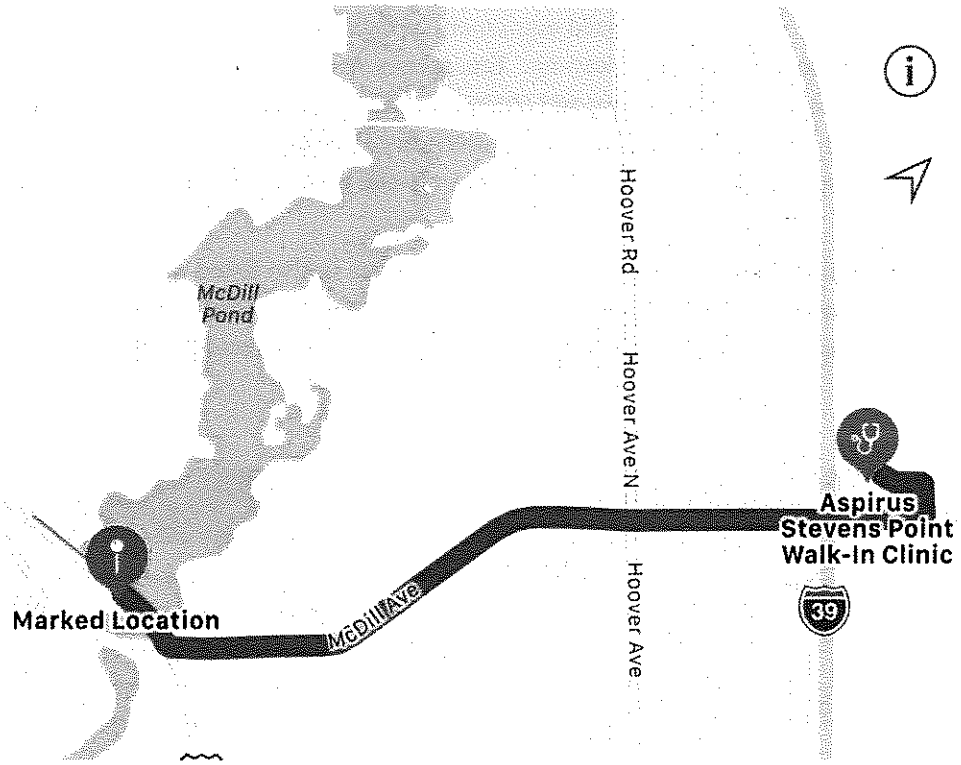
Emergency procedures may require specialized equipment to facilitate worker rescue, contamination control and reduction, or post-emergency clean-up. Emergency response equipment stocked on this site is listed in Table 3-2. The equipment inventory and storage locations are based on the potential emergencies described in Table 3-1. This equipment inventory is designed to meet on-site emergency response needs and any specialized equipment needs that off-site responders might require because of the hazards at this site.

Any additional PPE required and stocked for emergency response is also listed in Table 3-2 below. During an emergency **Amy Kay** is responsible for specifying the level of PPE required for emergency response. Emergency response equipment is inspected at regular intervals and maintained in good working order.

Table 3-2 Emergency Equipment & Emergency PPE

Emergency Equipment		
Specific Type	**Quantity Stocked**	**Location Stored**
Fire Extinguishers	1	Boat
First Aid & Eye Wash Kits	2	Truck & Boat
Spill Kits	2	Loading Area & Boat
Emergency PPE		
Specific Type	**Quantity Stocked**	**Location Stored**
Tyvek Protective Suits	10	Truck & Boat
Rubber Gloves	5	Truck & Boat
Eye Protection	5	Truck & Boat
Chemical Resistant Apron	2	Truck & Boat

3.3 Emergency Planning Map to Aspirus Clinic



Aspirus Clinic

5409 Vern Holmes Drive, Stevens Point, WI 54482

Phone: (715) 342-6050

Driving Directions:

1921–2133 Post Rd, Stevens Point, WI 54481, United States

0.2 mi
Turn left onto McDill Ave

2.1 mi
Turn left onto Business Park Dr

500 ft
Turn left onto Vern Holmes Dr

600 ft
The destination is on your left

5409 Vern Holmes Dr, Stevens Point, WI 54482, United States

Emergency Information:

- **In case of any emergency, call 9-1-1, and follow dispatcher instructions.**
- **Pesticide Emergency:** Call the **ChemTrec** (Chemical Transportation Emergency Center) emergency number (**1-800-424-9300**) for instruction on how to handle any pesticide emergency.

3.4 Roles and Responsibilities for On-Site and Off-Site Personnel

Amy Kay is responsible for implementing the emergency response plan and coordinating emergency response activities on this site. They provides specific direction for emergency action based upon information available regarding the incident and response capabilities and initiates emergency procedures, including protection of the public and notification of appropriate authorities.

Limited On-Site Emergency Response Activities for spill response

- **Turn off all pumps and equipment.**
- **Close all valves and lines if applicable.**
- **Surround spill with containment dike.**
- **Use absorbent mats to clean up spill.**
- **Place used mats in plastic containment bags.**

Limited On-Site Emergency Response Activities for injury

- **Assess extent of injury.**
- **Administer First-Aid, if appropriate.**
- **Contact Emergency Medical Personnel.**
- **Transport to Amery Regional Medical Center**

Table 3-4 Emergency Contact Information

SITE PERSONNEL			
Title	**Contact**		**Telephone**
Project Manager	**Amy Kay**		**715-891-6798**
Site Safety and Health Officer			
OUTSIDE ASSISTANCE	**Contact**	**Address/Location**	**Telephone**
Chemtrec	**Poison control**		**1-800-424-9300**
Ambulance/EMS			**911**
Police			**911**
Fire			**911**
Primary Medical Facility	**Aspirus Clinic 5409 Vern Holmes Dr. Stevens Point, WI 54482**		**715-342-6050**

3.7 Emergency Decontamination, Medical Treatment and First Aid

The primary medical care facility for this site is **Aspirus Clinic**. The route to the facility is shown in Figure 3-3.

Site personnel who are contaminated and need medical treatment will be decontaminated before being transported to a medical facility if decontamination does not delay life-saving treatment or aggravate the injury.

When emergency decontamination is performed, contaminated protective clothing and equipment is washed, rinsed, and/or cut off.

Offsite medical treatment personnel will be alerted to the chemicals and hazards to which a victim has been potentially exposed. This will be done by sending relevant MSDS's and other applicable hazard data with the victim or by having the victim accompanied by personnel who are familiar with the incident and the hazards.

This Safety Plan was developed by Amy Kay of Clean Lakes, Inc. Any questions regarding this plan should be addressed to Amy Kay, Clean Lakes, Inc., 5701 Oak Park Rd., Oakwood Hills, IL 60013 (Cell: 715-891-6798) (Email: akay@cleanlakesmidwest.com)

END OF APAP