

August 15, 2019

Project B1903316

Mr. Josh Leable
Project Manager
Incident Response Unit
Minnesota Department of Agriculture
Saint Paul Port Authority
380 St. Peter Street
St. Paul, MN 55102

RE: Phase I Environmental Site Assessment Addendum
Agricultural Chemical Incident Investigation
Former Hillcrest Golf Course
St. Paul, Minnesota (the Site)

Dear Mr. Leable:

Pursuant to your request, Braun Intertec Corporation has prepared this Addendum to the document entitled: *Phase I Environmental Site Assessment, Former Hillcrest Golf Course McKnight Road North and Larpenteur Avenue East, St. Paul, Minnesota* prepared by Braun Intertec and dated June 10, 2019 (2019 Phase I ESA). This addendum is submitted on behalf of the Saint Paul Port Authority (SPPA), who acquired the Site on June 26, 2019. The addendum is in response to the Minnesota Department of Agriculture's letter to the SPPA dated July 19, 2019 following their review of the 2019 Phase I ESA. A copy of the July 19, 2019 MDA letter is included in Attachment A.

The specific items/additional information requested in the MDA letter are addressed below, with supporting information provided in the referenced attachments.

Item 1

A copy of the Agricultural Environmental Site Assessment (AGESA) Guidance Document 14 Attachment 2 is included in Attachment B.

An environmental database search was completed by ERIS, company, the ERIS database search did not identify any Agspills sites at the Site or within 0.125 miles of the Site. We requested that ERIS expand the search radius and re-submit the report. In addition, however, Braun Intertec searched The MDA's Agricultural What's in my Neighborhood (AgWIMN) website, the only listed agricultural site within 0.5 miles of the Former Hillcrest Golf course is the Site itself (see Item 7 below).

Item 2

High risk areas (HRAs) at the Site have been identified by Braun Intertec based on available historic information including interviews with Mr. Tom Schmidt, the former greens keeper at the Hillcrest Golf Course from 1994 to 2017. The HRAs are identified below:

AA/EOE

- Agricultural chemical storage buildings loading areas
- Damaged floors in the agricultural chemical storage buildings (3 buildings)
- Agricultural chemical mixing/washout area
- Drainage area adjacent to mixing/wash area
- Berms on eastern portion of Property
- Golf greens and practice greens constructed before 1994*
- Tee boxes
- Fairways

* According to Mr. Tom Schmidt, former greens keeper (1994 to 2017) for the Hillcrest Golf Course, the facility had discontinued use of mercury based fungicides prior to when he started employment at the facility in 1994. Therefore the practice greens located at the northeast corner of the club house and the practice green in the driving range area are not considered HRAs as they were constructed after 1994.

Descriptions of each HRA are provided below:

HRA 1

There are four vacant agricultural chemical storage buildings with associated loading areas located on the east central portion of the Site. These areas were historically used to load and temporarily store, mix agricultural chemicals as well as for loading of equipment.

HRA 2

Floors in three of the agricultural chemical storage buildings were observed to be in poor condition in places.

HRA 3

Agricultural chemical mixing/washout area is a historic mixing/washout area immediately west of one of the agricultural chemical storage buildings.

HRA 4

Drainage area adjacent to mixing/wash area is where historically wash and mixing water drained.

HRA 5

Berms on the eastern portion of the property have been observed to contain various types of debris.

HRA 6

Historically the golf course greens were treated with mercury containing fungicides.

HRA 7

Historically the golf course tees may have been treated with mercury containing fungicides.

HRA 8

Initial soil sampling by Braun Intertec as part of a recent Preliminary Phase II Environmental Site Assessment (ESA) has identified elevated concentrations of mercury in some of the fairways at the golf course. The previous Phase II ESA is specifically addressed in Item 5 of this letter.

Item 3

Maps depicting the identified HRAs are included in Attachment C.

Item 4

Braun Intertec reviewed the available MDA files for two agricultural chemical inspections at the Site CDP101026451 and CDP101026597.

Records CDP101026451 are for an inspection performed on September 10, 2010 at the Site. The inspector noted the following items that were not in compliance:

The mix load pad drains to a drainage area, and that the facility was using the mix load pad for washing and filling of pesticide equipment.

The facility did not have adequate backflow prevention on their water supply used to fill pesticide application equipment.

The facility performed aquatic application of pesticides without the proper license category.

The facility was issued a cease and desists order by the MDA on filling pesticide equipment until a proper backflow prevention device was installed, and an order to obtain the appropriate pesticide use category.

On October 3, 2010, an MDA inspector returned to Site and documented on records CDP101026597 the following:

An adequate backflow prevention device had been installed on water supply used to fill pesticide application equipment (tank sprayer).

At time of follow-up inspection, the mix/load pad had been moved and that a new proposed pad was going to be located at an acceptable location along an irrigation line.

The golf course superintendent sent in the application for aquatic pesticide license via email on October 4, 2012.

On February 7, 2013 the MDA sent an enforcement action to the facility, Case number 1010511010. The MDA notified the facility of an enforcement action for the violations described during the site inspections above, and assessing a \$250 civil penalty against Hillcrest Golf Club. The enforcement action ordered the facility to maintain the backflow prevention, maintain a liquid tight containment area for the pesticide mix/load area and to obtain the pesticide application certificate with the proper use categories.

On March 6, 2013, the facility submitted a signed acknowledgment of violation for case file number CDP101051010.

Copies of the MDA records for inspections CDP101026451 and CDP101026597 are included in Attachment D.

Item 5

A copy of the Preliminary Phase II ESA Report, Former Hillcrest Golf Course, St Paul, Minnesota prepared by Braun Intertec and dated August 16, 2019 has been submitted to the MDA under separate cover.

Please note that the Preliminary Phase II ESA was completed for initial property acquisition planning and due diligence purposes, and was not performed to specifically investigate the extent and magnitude of agricultural chemical releases in accordance with MDA guidance documents.

All subsequent investigations at the property related to the use, storage, loading, or mixing of agricultural chemicals will be performed per MDA approved work plans and in accordance with MDA guidance documents.

Item 6

The Ramsey County Spill database did not identify any spills at the Site.

A copy of the Ramsey County Spill database search results are included in Attachment E.

Item 7

The MDA's Agricultural What's in my Neighborhood (AgWIMN) website mapping application was searched to determine if any incident case files including old emergencies, small spills, investigation boundaries, or contingencies were associated with the property. The only listing on the MDA's AgWIMN site at or within 0.5 miles of the Site is case file # JAL101091523, which is related to the voluntary investigation application submitted on behalf of the St Paul Port Authority at the Site, and the ongoing investigations at the Site being performed by Braun Intertec.

A copy of the MDA's AgWIMN search results are included in Attachment F.

Available records for case file # JAL101091523, excluding the 2019 Phase I ESA and the agricultural voluntary investigation and clean up (AgVIC) application, are included in Attachment G.

Item 8

In the July 19, 2019 letter, the MDA noted two piles of loose bulk materials visible in a photograph included with the letter. Based on a follow up discussion with Mr. Tom Schmidt (former greens keeper), the golf course never brought in bulk loose agricultural chemicals during his time at the golf course

(1994 to 2017), and that the larger pile of materials in the photograph was sand used for various purposes at the golf course. The smaller green-colored pile in the photograph was a soil mixture consisting of 3 parts sand, 1 part top soil and 1 part peat for use on the putting greens.

Item 9

The golf course has not operated since 2017. Most of the records associated with the golf course operations are not available; however, Braun Intertec did locate files and binders in a file drawer in one of the site buildings that included material data sheets, safety data sheets, and selected summary information related to fertilizer and pesticide use at the Site from 2002 to 2017. Braun Intertec confirmed with Mr. Schmidt that this was the only location at the golf course where these types of records were stored during operations, and he stated, that to his knowledge, no records were relocated after the golf course ceased operation in 2017.

In summary, the facility used a variety of pesticides including fungicides, herbicides, insecticides, and algicides for various applications across the golf course. Based upon available usage records it appears that these were used in smaller quantities primarily on the greens, but occasionally on the fairways, approaches, and tees and sporadically around the club house. Common pesticides used included 2,4-D, imidacloprid, Dicamba, chlorothalonil, iprodione, as well as others as listed in Attachment H.

The facility also used granular and soluble fertilizers consisting of various brands and formulations of nitrogen, potassium and phosphorus based fertilizers. The available records indicate the fertilizers used at the largest quantities were granular fertilizers. According to Tom Schmidt, the majority of these fertilizers were applied to greens, tee boxes, and fairways, with occasional applications to roughs and around the club house area. Available usage records indicate that the soluble fertilizers were primarily used on the greens.

Lists of agricultural chemicals stored, handled, mixed or loaded at the site, based upon the available information, is included in Attachment H. Attachment H includes Table 1 which presents a summary of all agricultural products used by brand name. Table 2 summarizes the active ingredients as many of the agricultural products used at the facility contained similar compounds. Table 3 -5 include summaries of pesticide usage for the years 2007, 2008 and 2014, which are the years for which detailed records are available.

Data Gaps

Fertilizer and pesticide use records are not available for years prior to 2002. The ERIS report only searched 0.125 miles for the Ag Spills database.

Closing Remarks

A Work Plan is currently being prepared outlining additional remedial investigation activities to further investigate the identified HRAs and define the extent of agricultural chemical releases to soil and

groundwater and associated impacts related to the normal application of agricultural chemicals at the Site over time that requires consideration for future site redevelopment and use.

If you have any questions, please contact Ken Larsen at 952.995.2455 or Mark Keefer at 952.995.2493.

Sincerely,

BRAUN INTERTEC CORPORATION



Kenneth Larsen, PE, PG
Principal Engineer



Mark Keefer, P.G.
Associate Principal – Senior Scientist

Attachments:

Attachment A: July 19, 2019 MDA letter

Attachment B: Agricultural Environmental Site Assessment Guidance Document 14 Attachment 2

Attachment C: High Risk Areas Maps

Attachment D: MDA records for inspections CDP101026451 and CDP101026597

Attachment E: Ramsey County Spill Database Search Results

Attachment F: MDA's AgWIMN Search Results

Attachment G: MDA Records for Case File # JAL101091523

Attachment H:

Table 1 – Chemical Inventory

Table 2 – Chemical Inventory - Active Ingredient list

Table 3 – Pesticide Usage - 2007

Table 4 - Pesticide Usage - 2008

Table 5 - Pesticide Usage - 2014

c: Mr. Monte Hilleman, Saint Paul Port Authority
Aaron Irber, Minnesota Department of Agriculture
Stuart Orlovski, Minnesota Department of Agriculture
Kathryn Sarnecki, Saint Paul Port Authority
George Hoene, Saint Paul Port Authority
Steve Heurung, Stoel Rives

Attachment A
July 19, 2019 MDA letter

July 19, 2019

Phone no.: (651) 201-6632
E-mail: josh.leable@state.mn.us
Document No.: JAL-101180141

Monte Hilleman
Saint Paul Port Authority
380 Saint Peter Street #850
Saint Paul, Minnesota 55102

**SUBJECT: REQUEST FOR ADDENDUM TO THE PHASE I ENVIRONMENTAL SITE
ASSESSMENT FOR AN AGRICULTURAL CHEMICAL INCIDENT INVESTIGATION**

RE: SITE NAME: FORMER HILLCREST GOLF COURSE, SAINT PAUL
MDA PROJECT No.: JAL101091523

Dear Mr. Hilleman:

Minnesota Department of Agriculture (MDA) Incident Response Unit staff has reviewed the Braun Intertec Phase I Environmental Site Assessment (Phase I ESA), dated June 10, 2019, prepared for the agricultural chemical incident investigation at your company's facility in Saint Paul, Minnesota. MDA staff requests the submittal of an addendum, which addresses the following comments and qualifications:

- Please complete the AgESA Report Checklist, as seen in Guidance Document 14.
- Please list and individually describe high risk areas (HRAs) for contamination from agricultural chemical incidents. The MDA requests that the berms on the eastern boundary of the site be included as an HRA to determine potential contamination related to buried materials.
- Please provide a Site Map with HRAs for contamination from agricultural chemicals labeled. The Site Map should be a zoomed-in on the agricultural chemical handling area and berms in the southeast section of the site.
- Two agricultural chemical inspections occurred at the facility – CDP101026451 and CDP101026597. CDP101026451 indicated that a mix load pad drains to the drainage area and was used for washing and filling of pesticide equipment. CDP101026597 indicated that aquatic pesticide applications were taking place at the facility. The MDA recommends that these two files are requested and reviewed by Braun.
- Please provide copies of the Phase II investigations at the Site conducted in 2011 and 2019.
- Please provide a copy of the County Spill Report.
- Please provide a copy of the search results from the MDA's What's In My Neighborhood website.
- Attached are photographs obtained by MDA from Google Maps Street View, which captured photos of the course in 2016. Please indicate to the best of your ability the contents of the piled materials shown in the attached photographs. Also, please note the

mixing and loading activities occurring on the ramped pad seen in one of the attached photographs.

- Please provide a list of agricultural chemicals stored, handled, mixed or loaded covering both the past and present. Chemicals should be listed by active ingredient in a Agricultural Chemical Inventory table which includes product names, EPA product ID numbers, quantities/volumes, units of measure, and HRAs where chemicals were stored. Review records from the previous owner/operator and old MDA files. Also, please provide information about historic or persistent chemicals used at the golf site, for example DDT, organochlorines, arsenic or mercury-based fumigants. If this information is not available, more laboratory analyses will be necessary to determine which fumigants and pesticides were applied. Please note, based on available inspections and photographs of site activity, the following agricultural chemicals were stored onsite:
 - Raider Plus
 - Retain Pro
 - Teremec SP, Turf Fungicide
 - Chlopyrifos mix
 - Hydrothol Granular (aquatic algicide and herbicide)
 - EC Grow Award Turf Fertilizer (bags)
 - Gro-Power (bags)
 - Fertilome Fungicide (propiconazole)
 - Endothall

Please address each of the items above separately and completely, and submit your comments to me as an addendum to the Phase I ESA by August 19, 2019. MDA staff must subsequently approve the addendum before work begins.

I have enclosed the following guidance documents to ensure that you have the latest revisions: Guidance Document 14 The Agricultural Environmental Site Assessment (AgESA)

Please be advised this letter is subject to the disclaimers listed in Attachment A. If subsequently obtained information indicates that the approved scope of work is inappropriate or insufficient, MDA staff may require additional work or modification in the approved work.

If you have further questions about this project, please contact me at (651) 201-6632 or MDA tech staff Stuart Orlowski at (651) 201-6148.

Sincerely,



Josh Leable, Project Manager
Incident Response Unit
Pesticide & Fertilizer Management Division

Enclosures

cc: Ken Larsen, Braun Intertec (e)
Aaron Irber, MDA (e)
Stuart Orlowski, MDA (e)

ATTACHMENT A
DISCLAIMERS
FORMER HILLCREST GOLF COURSE, SAINT PAUL, RAMSEY COUNTY, MINNESOTA
MDA PROJECT NO: JAL101091523

1. Reservation of Authorities

The MDA Commissioner reserves the authority to take any appropriate actions with respect to any release, threatened release, or other conditions at the Site. The MDA Commissioner also reserves the authority to take such actions if the responsible party does not proceed in the manner described in this letter or if actions taken or omitted by the responsible party with respect to the Site contribute to any release or threatened release, or create an imminent and substantial danger to public health and welfare or the environment.

2. No MDA Assumption of Liability

The MDA, its Commissioner and staff do not assume any liability for any release, threatened release or other conditions at the Site or for any actions taken or omitted by the responsible party with regard to the release, threatened release, or other conditions at the Site, whether the actions taken or omitted are in accordance with this letter or otherwise. The responsible party is responsible for ensuring that the approved corrective action complies with all applicable building, electrical and fire codes and Health Department rules, and that all necessary state and local approvals are obtained.

3. Letter Based on Current Information

All statements, conclusions and representations in this letter are based upon information known to the MDA Commissioner and staff at the time this letter was issued. The MDA Commissioner and staff reserve the authority to modify or rescind any such statement, conclusion or representation and to take any appropriate action under his authority if the MDA Commissioner or staff acquires information after issuance of this letter that provides a basis for such modification or action.

4. Disclaimer Regarding Non-Agricultural Contamination

Approval of this investigation is based on its environmental merits for addressing the agricultural chemical contamination only. This letter does not apply to other types of contamination that may be present on the subject property.

5. Disclaimer Regarding Use or Development of the Property

The MDA, its Commissioner and staff do not warrant that the Site is suitable or appropriate for any particular use.



Google



The Agricultural Environmental Site Assessment (AgESA)

Guidance Document 14

The Minnesota Department of Agriculture (MDA) frequently receives questions about Phase I Environmental Site Assessments (ESAs) at sites where agricultural chemicals (pesticides and fertilizers) have been mixed, stored, handled, distributed or used in the past or present, and where environmental contamination may be a problem. This document is intended to provide guidance for conducting ESAs of sites where agricultural chemical contamination or incidents may be a concern. A Phase I ESA which follows this guidance document is called an **Agricultural Environmental Site Assessment (AgESA)**, and is required for all active project files in the Incident Response Unit (IRU), with the exception of pre-construction sites. A list of recommended laboratory analyses based on facility type and class of agricultural chemical is included as Attachment 1 to this guidance document. The **AgESA Checklist** (Attachment 2 to this guidance document) has been created to assist with the preparation and review of the AgESA Report to ensure it complies with this Guidance Document. This checklist must be completed and submitted with your AgESA.

What is an Agricultural Environmental Site Assessment (AgESA)?

An AgESA is an ASTM-compliant Phase I ESA, supplemented with agricultural chemical-specific data identified via the following database searches or sources of information:

- A. Environmental Search Firm Data
- B. MDA-Specific Data Sources (AgWIMN, County Spill Report)
- C. Facility-Specific Data; and
- D. Other Agency Sources

A. Environmental Search Firm Data

When you make a request to an environmental search firm for data, you must specifically request the agricultural chemical incident history (AGSPILLS, for example) in order to get information on sites identified by the MDA. This information is separate and distinct from the information provided for non-agricultural chemical sites because the MDA's incident databases are completely separate from the records maintained by the Minnesota Pollution Control Agency. The AGSPILLS information requested from environmental search firms must include the Target Property and a one-half (0.5) mile radius from the perimeter of the site polygon (not from a point on the site or the center of the site). MDA incident project file numbers that are identified within the search radius must be reviewed and discussed in the text of the AgESA, including the agricultural chemical incident(s) at the site.

B. MDA Specific Data Sources

What's In My Neighborhood-Agricultural Interactive Mapping Webpage

Information on searching the MDA's data can be found in the 'How do I Search?' section of the 'What's in My Neighborhood- Agricultural Interactive Mapping (AgWIMN) webpage <http://www.mda.state.mn.us/chemicals/spills/incidentresponse/neigh-borhood>. Before you begin, download and review the 'Using the Spills & Cleanup Homepage' brochure found in this section of the AgWIMN webpage.

The MDA's AgWIMN application can be searched to determine which project case files are relevant to the site and adjacent properties. Locate your area of interest and use the "Select Features" tool to create a list of incidents in and around your area of interest. Use the "i" Identify feature for the polygon selected to get information about the selected project files. Please note that a polygon may have more than one project file associated with it, as denoted by the arrows at the top of the project file results box. The project files are identified using the following Investigation Types (as noted in the project file results box):

- **Old Emergencies:** These points represent the locations of spills that were closed prior to March 1, 2004. The locations of these spills have not been checked for accuracy;
- **Small Spills:** Recent small spills and investigations;
- **Investigation Boundaries:** Polygons which represent the area investigated for large incidents and other types of facility investigations; and
- **Contingencies:** Polygons which represent soil or ground water areas with contingencies or restrictions.

Download or print the list of incidents created using the "Select Features" tool or record the incident project file numbers that are related or relevant to your site. Any MDA incident project file numbers that are related or relevant to your site must be reviewed and discussed in the text of the AgESA.

If your site or a nearby site has a contingency (i.e., the "Contingency" line in the case file result box will state "Yes"), please review the contingency document and evaluate its relevancy to your site in the text of the AgESA.

County Spill Report

County Spill Reports may be downloaded at <http://www.mda.state.mn.us/county-spill-reports>. These lists include most of the incidents reported for each county prior to May 2008. The MDA does not have accurate locations for many of the older incidents. Use the information on the County Spill Reports to determine if any of these spills are or may be relevant to your site. Base your review on the location of the incident, not on the company name, as the company name may have changed over time. Any incidents included in the County Spill Reports that are related or relevant to your site must be reviewed and discussed in the text of the AgESA. Some of these spills are mapped as Old Emergencies in the AgWIMN application.

The County Spills Report can also be requested from the MDA Data Practices and Records Management Coordinator (651- 201-6698).

C. Facility Specific Data

Relevant information from the MDA facility file should be requested from the MDA Data Practices and Records Management Coordinator (651-201-6698). A site visit should be conducted to look for and identify potential high-risk areas of agricultural chemical contamination. A high-risk area is defined as an area having a reasonable likelihood of significant contamination. This likelihood may arise from site-specific reasons or from general MDA experience with similar sites under similar use in the past. Examples of high-risk areas include agricultural chemical mixing and loading areas; fertilizer impregnation towers and conveyors; equipment parking areas; equipment repair areas; bulk pesticide and fertilizer storage areas; pesticide container storage, burning or disposal areas; anhydrous ammonia loading areas; stained or barren areas; areas with dead vegetation; runoff pooling areas; water fill stations; scale pits; and any areas associated with previous spills. Because each site is unique, areas of potential contamination must be evaluated on a site-specific basis.

A review of the facility's available sales, agricultural chemical application, and construction records must be completed as far back as possible by requesting this information from the facility directly. A summary of the facility's agricultural chemical inventory (product names, active ingredients, volumes/quantities [including units of measure] and location(s) where they were stored, mixed, used or handled) must be included in the AgESA. This will aid in determining the analyses that should be performed when samples are collected during the remedial investigation. If the facility has changed ownership and the facility's use(s) changed as a result, then an inquiry into available sales and application records for the prior entity should also be conducted, and the inventory results must be included and discussed in the text of the AgESA.

Interviews of present and former employees, must be completed and included in the AgESA to identify high-risk areas and the agricultural chemicals that were mixed, stored, distributed, used or handled at the site. A review of available aerial and/or street-view photography (e.g., Google Maps, Bing Maps, county GIS maps) should also be completed to aid in the identification of potential high-risk areas at the site. All high risk areas identified for the site should be listed and described in the text of the report and marked/labeled on the site map.

D. Other Agency Sources

A review of other investigations completed at the facility for other agencies, such as petroleum investigations, must be included and discussed in the text of the AgESA. This evaluation should determine if agricultural chemicals were previously detected at the site and evaluate whether the data on the site's soils, hydrogeology, depth to groundwater, etc. will assist with the current MDA-regulated investigation.

E. Data Gaps

If any of these searches/inquiries cannot be conducted, or if complete data/records cannot be obtained, then you must identify this as a data gap and describe the incomplete records in the text of the AgESA.

General AgVIC Information

For more information, contact Greg Hanson, Incident Response Unit Consultant, at (651) 201-6681 or Greg.Hanson@state.mn.us

All MDA guidance documents can be found at our Web Page Address:
<http://www.mda.state.mn.us/pesticide-fertilizer/spills-cleanup>

AgESA GUIDANCE DOCUMENT*Attachment 1***RECOMMENDED LABORATORY ANALYSES BY TYPE OF FACILITY AND
CLASS OF AGRICULTURAL CHEMICAL**

An AgESA should be completed on all agricultural chemical-related properties before deciding if cleanup action is needed. Areas where agricultural chemicals were mixed, stored or otherwise handled are likely to be areas of recognized environmental conditions, and may warrant sampling. As part of the AgESA, an inventory of the pesticides and fertilizers that were handled, stored, or mixed on-site must be included to better evaluate what type of sample analysis is needed. The inventory results should be considered in addition to the recommended analysis listed below.

TYPE OF FACILITY**TYPE OF ANALYSIS RECOMMENDED**

Ag Retailers & Applicators	MDA Lists 1 & 2, Fert
Greenhouses	MDA List 3, Fert, EPA Method 8081, Fung
Exterminators & Related	MDA List 3, EPA Method 8081, EPA Method 8141
Aerial Applicators	MDA Lists 1, 2, & 3, dinoseb, EPA Method 8141
Lawn Care Companies	MDA Lists 1 & 2, Fert, EPA Method 8141
Grain Elevators, Seed Storage	MDA List 1, mercury, carbon tetrachloride, Fung
Orchards, Truck Gardens	MDA List 1, EPA Method 8081, arsenic, lead, Fert
Golf Courses	MDA List 1, primary pesticides, heavy metals

Key:

MDA List 1	Neutral pesticides
MDA List 2	Acid pesticides
MDA List 3	Carbamate pesticides
Fert	Fertilizers; recommend analyses include nitrate nitrogen and total Kjeldahl nitrogen
EPA Method 8141	Organophosphate pesticides
EPA Method 8081	Chlorinated pesticides
Fung	Fungicides; few laboratories have a dedicated fungicide method to screen for fungicides, therefore the MDA recommends analyzing for the following fungicides and metals: benomyl, captan, chlorothalonil, metalaxyl, cadmium, copper, tin, zinc and manganese.

See MDA guidance document [GD26 Analytical Lists for Pesticide Incident Investigations](#) for analytical parameters for MDA Lists 1, 2, and 3.

AgESA GUIDANCE DOCUMENT

Attachment 2

MDA INCIDENT RESPONSE UNIT AgESA REPORT CHECKLIST

Site Name: _____

Report Date: _____

MDA Project Number: _____

Checklist Completed by _____

Signature _____

Date _____

Item	Completed (Y/N)	Location (p. #)
1. Environmental Database Search		
a. Search Firm Used (if any)		
b. Search includes AGSPILLS database (site and ½-mi radius from perimeter)		
c. Search includes Target Property and ½-mile radius from perimeter		
d. Discussion of MDA Incident files identified in the search		
e. Copy of search report provided in appendix		
2. MDA's WIMN Agricultural Case File Search		
a. Discussion of results in the report		
b. Copy provided in appendix		
3. County Spills Report Review/Case File Search		
a. Discussion of results in the report		
b. Copy provided in appendix		
4. Facility File Review from MDA Data Practices		
a. Discussion of results in the report		
b. Copy provided in appendix		
5. Site Visit		
a. Photos taken at the Site when ground surface uncovered		
6. List of Agricultural Chemicals Stored, Handled, Mixed or Loaded (Past and Present)		
a. Review included previous owner/operator (if applicable), old MDA files		
b. Documentation provided in appendix		
c. Results table (include product names, EPA product ID numbers, active ingredients, quantities/volumes, units of measure, and area(s) of the site)		
d. Discussion of results in the report		
7. Interviews of Current and Former Employees Knowledgeable of the Site		
a. Discussion of results provided in report		
b. Copies of phone notes, info., etc. provided in Appendix (if applicable)		
8. Review of Available Historical Aerial and/or Street View Photographs of the Site		
a. Discussion of results in the report		
b. Copies provided in appendix		
9. High Risk Areas for Potential Agricultural Chemical Contamination (Past and Present)		
a. Identified and labeled on the Site Map(s)		
b. Listed and described in the report text		
10. Other Agency(ies) Review(s)		
a. Discussion of results in the report		
11. Data Gaps		
a. If any searches cannot be completed or data obtained, noted in report text		

Clear Form

Attachment B

Agricultural Environmental Site Assessment (AGESA) Guidance Document 14 Attachment 2

AgESA GUIDANCE DOCUMENT

Attachment 2

MDA INCIDENT RESPONSE UNIT AgESA REPORT CHECKLIST

Site Name: _____

Report Date: _____

MDA Project Number: _____

Checklist Completed by _____

Signature _____

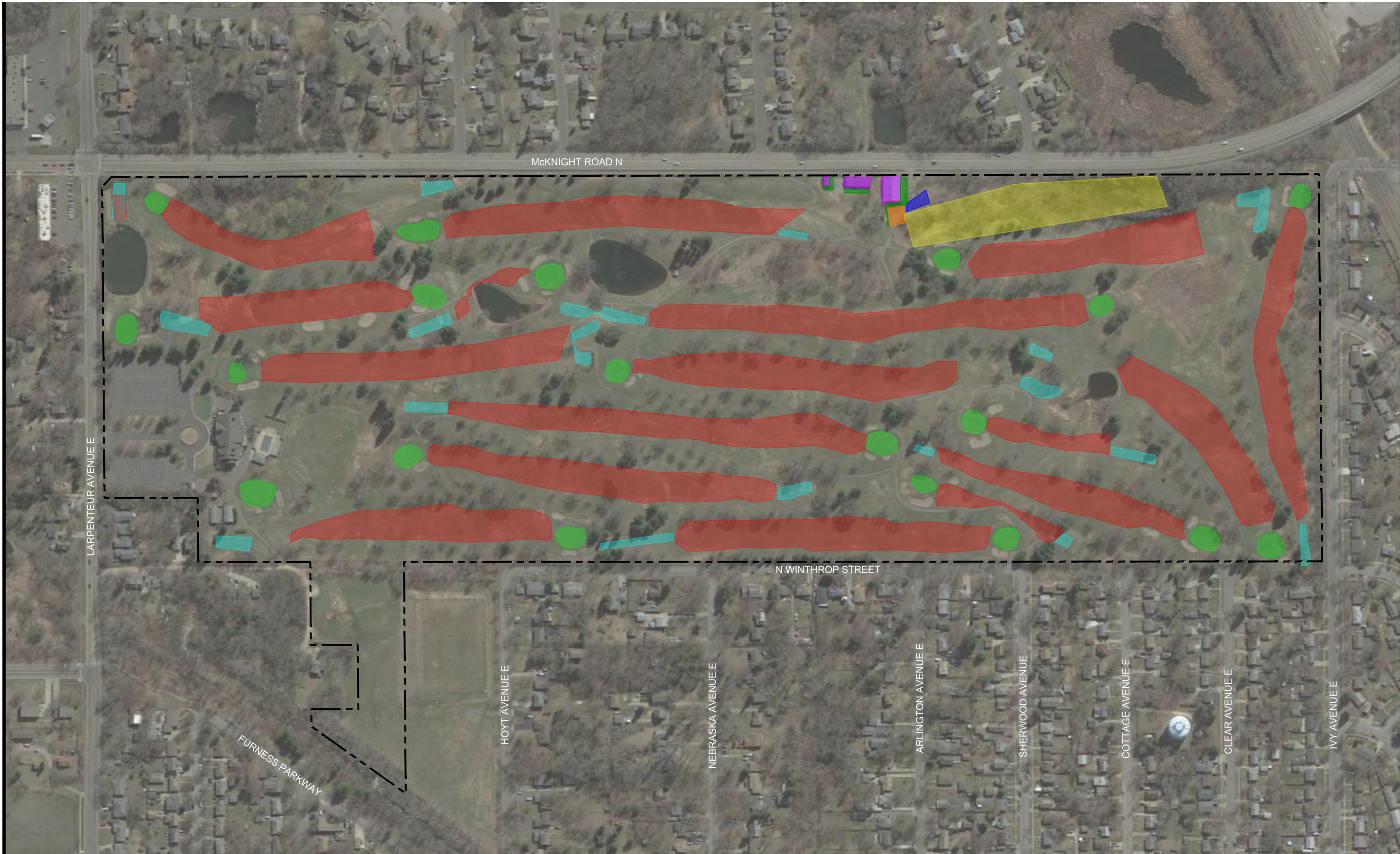
Date _____

Item	Completed (Y/N)	Location (p. #)
1. Environmental Database Search		
a. Search Firm Used (if any)		
b. Search includes AGSPILLS database (site and 1/2-mi radius from perimeter) Search radius was 0.125 miles		
c. Search includes Target Property and 1/2-mile radius from perimeter		
d. Discussion of MDA Incident files identified in the search		
e. Copy of search report provided in appendix		
2. MDA's WIMN Agricultural Case File Search		
a. Discussion of results in the report		
b. Copy provided in appendix		
3. County Spills Report Review/Case File Search		
a. Discussion of results in the report		
b. Copy provided in appendix		
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a. Discussion of results in the report		
11. Data Gaps		
a. If any searches cannot be completed or data obtained, noted in report text		

Clear Form

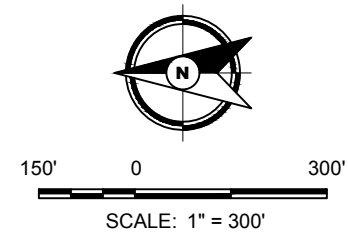
Attachment C
High Risk Areas Maps

F:\2019\B1903316A.dwg,HRA Overview,8/16/2019 3:20:24 PM



- AGRICULTURAL CHEMICAL STORAGE BUILDINGS LOADING AREAS
- FLOORS IN THE AGRICULTURAL CHEMICAL STORAGE BUILDINGS (3 BUILDINGS)
- AGRICULTURAL CHEMICAL MIXING / WASHOUT AREA
- DRAINAGE AREA ADJACENT TO MIXING / WASH AREA

- BERMS ON EASTERN PORTION OF PROPERTY
- GOLF GREENS / PRACTICE GREENS CONSTRUCTED BEFORE 1994*
- TEE BOXES
- FAIRWAYS



BRAUN
INTERTEC
The Science You Build On.

11001 Hampshire Avenue S
Minneapolis, MN 55438
952.995.2000
braunintertec.com



Drawing Information

Project No:
B1903316

Drawing No:
B1903316A

Drawn By: BJB
Date Drawn: 5/23/19
Checked By: MK
Last Modified: 7/10/19

Project Information

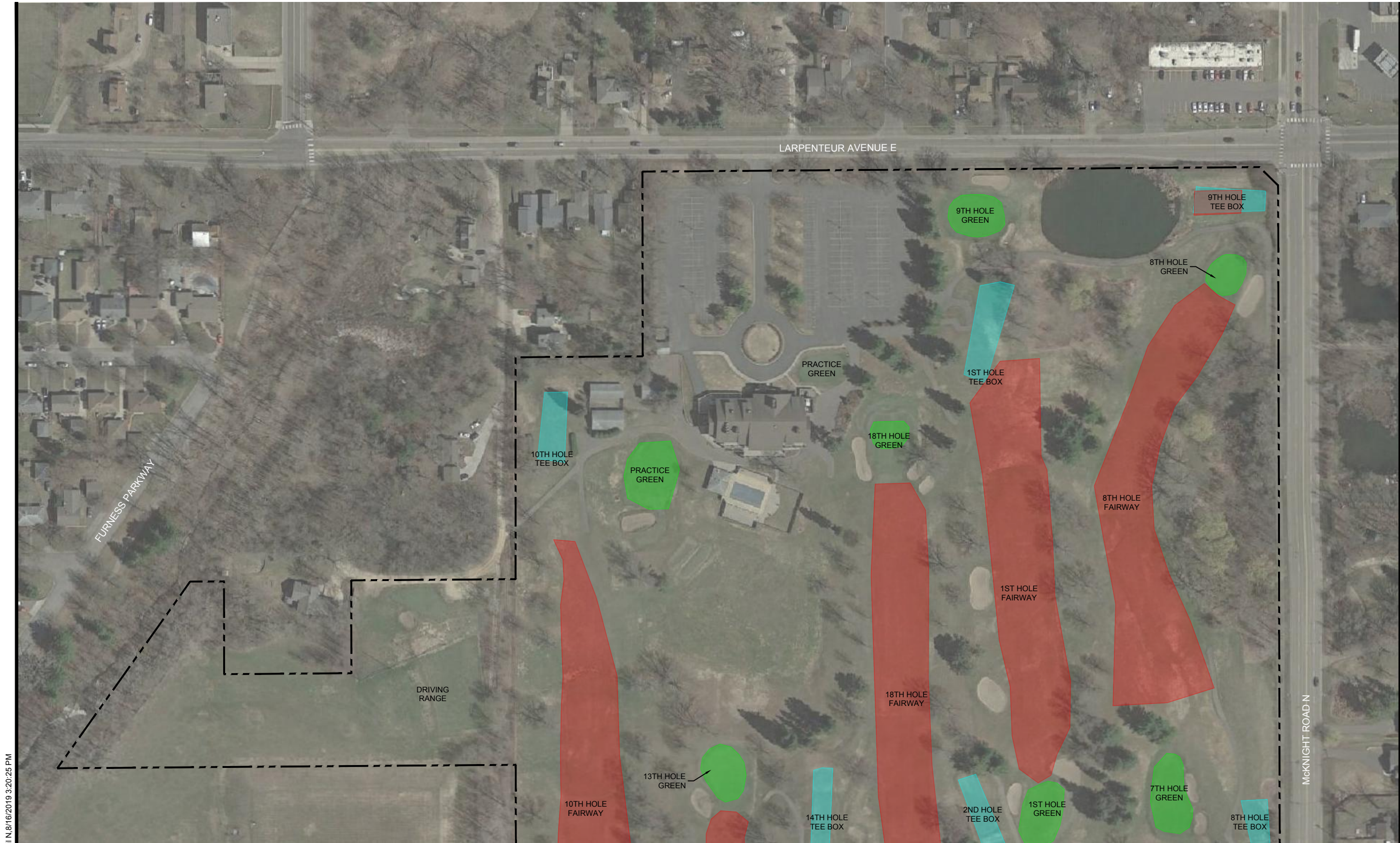
Former Hillcrest
Golf Course

2200 Larpenteur
Avenue E

Saint Paul, Minnesota

High Risk Areas -
Overview

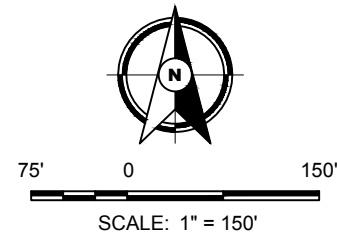
Figure 1A



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- AGRICULTURAL CHEMICAL STORAGE BUILDINGS LOADING AREAS
- FLOORS IN THE AGRICULTURAL CHEMICAL STORAGE BUILDINGS (3 BUILDINGS)
- AGRICULTURAL CHEMICAL MIXING / WASHOUT AREA
- DRAINAGE AREA ADJACENT TO MIXING / WASH AREA

- BERMS ON EASTERN PORTION OF PROPERTY
- GOLF GREENS / PRACTICE GREENS CONSTRUCTED BEFORE 1994*
- TEE BOXES
- FAIRWAYS



Drawing Information

Project No:
B1903316

Drawing No:
B1903316A

Drawn By: BJB
Date Drawn: 5/23/19
Checked By: MK
Last Modified: 7/10/19

Project Information

Former Hillcrest
Golf Course

2200 Larpenteur
Avenue E

Saint Paul, Minnesota

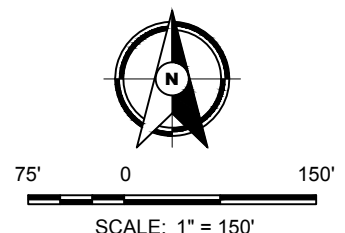
**High Risk Areas -
North**

F:\2019\B1903316A.dwg,HRA Detail NC, 8/16/2019 3:20:26 PM



- AGRICULTURAL CHEMICAL STORAGE BUILDINGS LOADING AREAS
- FLOORS IN THE AGRICULTURAL CHEMICAL STORAGE BUILDINGS (3 BUILDINGS)
- AGRICULTURAL CHEMICAL MIXING / WASHOUT AREA
- DRAINAGE AREA ADJACENT TO MIXING / WASH AREA

- BERMS ON EASTERN PORTION OF PROPERTY
- GOLF GREENS / PRACTICE GREENS CONSTRUCTED BEFORE 1994*
- TEE BOXES
- FAIRWAYS



Drawing Information	
Project No:	B1903316
Drawing No:	B1903316A
Drawn By:	BJB
Date Drawn:	5/23/19
Checked By:	MK
Last Modified:	7/10/19
Project Information	
Former Hillcrest Golf Course	
2200 Larpenteur Avenue E	
Saint Paul, Minnesota	

**High Risk Areas -
North Central**

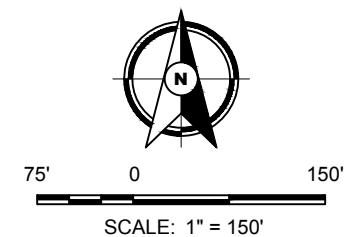
Figure 1C

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- AGRICULTURAL CHEMICAL STORAGE BUILDINGS LOADING AREAS
- FLOORS IN THE AGRICULTURAL CHEMICAL STORAGE BUILDINGS (3 BUILDINGS)
- AGRICULTURAL CHEMICAL MIXING / WASHOUT AREA
- DRAINAGE AREA ADJACENT TO MIXING / WASH AREA

- BERMS ON EASTERN PORTION OF PROPERTY
- GOLF GREENS / PRACTICE GREENS CONSTRUCTED BEFORE 1994*
- TEE BOXES
- FAIRWAYS



Drawing Information

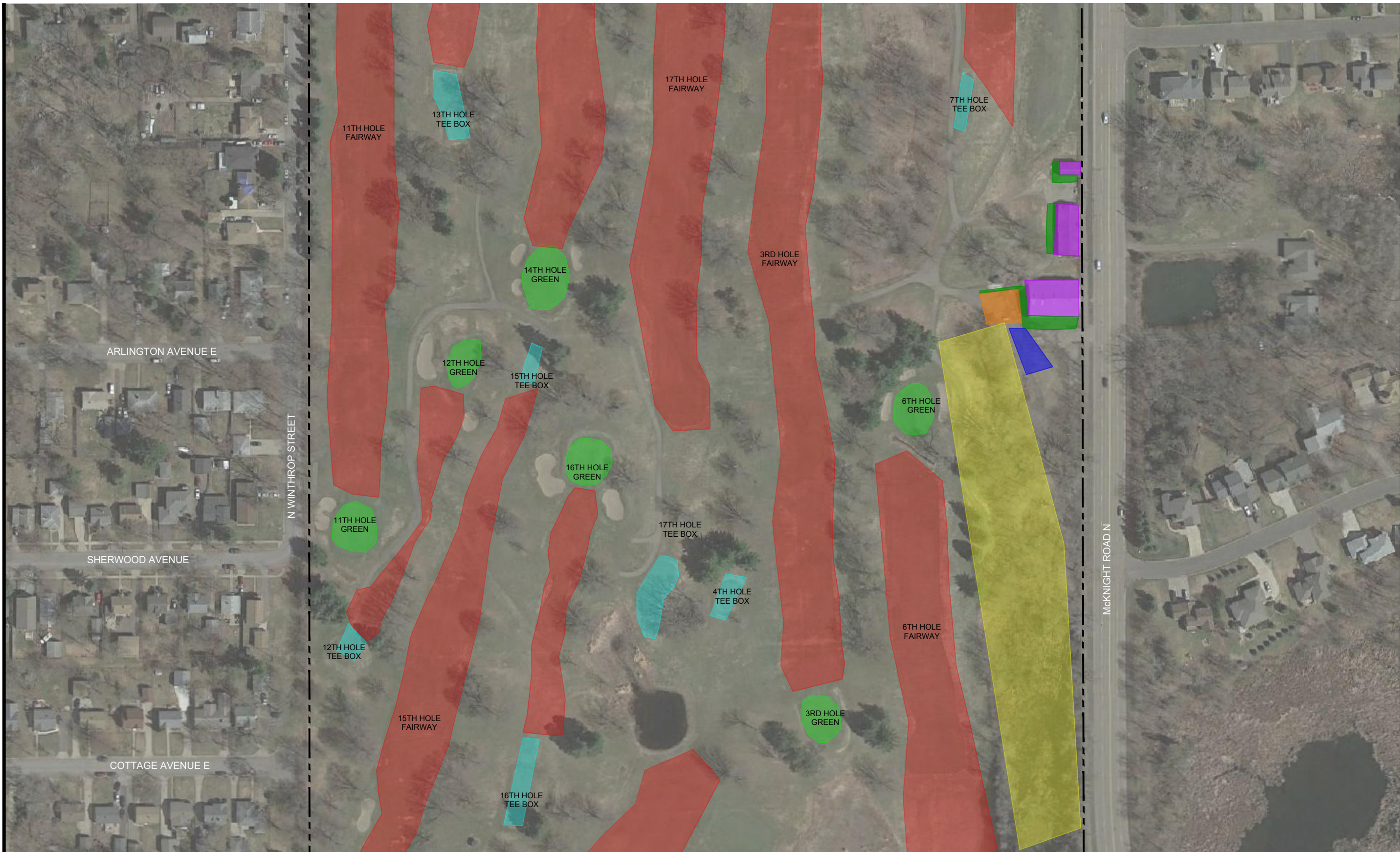
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Drawing No:	B1903316A
Drawn By:	BJB
Date Drawn:	5/23/19
Checked By:	MK
Last Modified:	7/10/19

Project Information

Former Hillcrest Golf Course
2200 Larpenteur Avenue E
Saint Paul, Minnesota

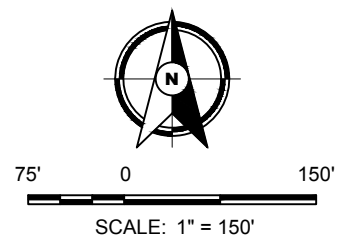
High Risk Areas -
Central

F:\2019\B1903316A.dwg,HRA Detail SC,8/16/2019 3:20:28 PM



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- FLOORS IN THE AGRICULTURAL CHEMICAL STORAGE BUILDINGS (3 BUILDINGS)
- AGRICULTURAL CHEMICAL MIXING / WASHOUT AREA
- DRAINAGE AREA ADJACENT TO MIXING / WASH AREA

- BERMS ON EASTERN PORTION OF PROPERTY
- GOLF GREENS / PRACTICE GREENS CONSTRUCTED BEFORE 1994*
- TEE BOXES
- FAIRWAYS



Drawing Information	
Project No:	B1903316
Drawing No:	B1903316A
Drawn By:	BJB
Date Drawn:	5/23/19
Checked By:	MK
Last Modified:	7/10/19
Project Information	
Former Hillcrest Golf Course	
2200 Larpenteur Avenue E	
Saint Paul, Minnesota	

**High Risk Areas -
South Central**

Figure 1E



Drawing Information

Project No:
1903316

Drawing No: 903316A

Drawn By:	BJB
Date Drawn:	5/23/19
Checked By:	MK
Last Modified:	7/10/19

Project Information

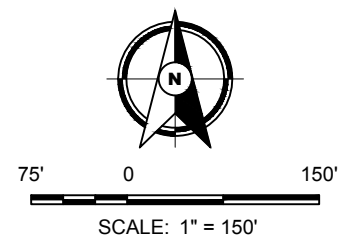
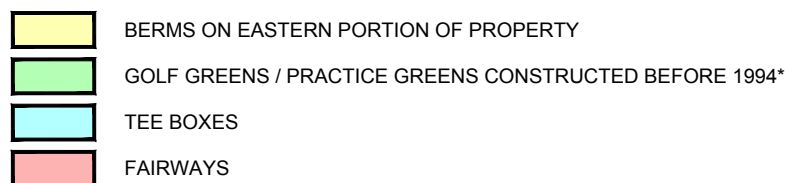
Former Hillcrest
Golf Course

200 Larpenteur
Avenue E

Saint Paul, Minnesota

High Risk Areas - South

Figure 1F



Attachment D

MDA records for inspections CDP101026451 and CDP101026597



ORDER TO

Notice of Violation

Folder # CDP101051011		Insp # CDP101026451		Unit Doc ID # CDP-101050927	
Facility Name: HILLCREST GOLF CLUB OF SAINT PAUL			Unit Loc ID 339101003307		
Street Address (Actual Inspection Location): 2200 EAST LARPEN TEUR AVE			City: SAINT PAUL	State: MN	Zip Code: 55109
Telephone No. (651) 777-5186			County: RAMSEY	Date of Inspection: 09/10/2012	
<ul style="list-style-type: none">• Minnesota Pesticide Control Law, Minn. Stat. Chapter 18B; Chemical Liability Law, Minn. Stat. Chapter 18D; and Agency Rules promulgated thereunder; and/or the Federal Insecticide Fungicide and Rodenticide Act (7 USC 136 et. seq.) as amended. Authority for cease and desist, stop sale, stop use and removal orders is found in Minn. Stat. § 18D.305, subd. 1.• Minnesota Fertilizers, Soil Amendments, Agricultural Liming Materials, and Plant Amendments Law, Minn. Stat. Chapter 18C; Chemical Liability Law, Minn. Stat. Chapter 18D; and Agency Rules promulgated thereunder. Authority for cease and desist, stop sale, stop use, and removal orders is found in Minn. Stat. § 18D.305, subd. 1.					
<p>The above listed facility is ordered to:</p> <p>Cease & Desist Order</p> <p>3B.3 Cease and desist the filling of application equipment until an MDH approved backflow prevention device is properly installed. ITEM: (#59) -</p> <p>ITEM: - COMMENTS: Cease and desist using the mix/load pad location for pesticide. Mixing and loading can not be done in a way that may cause adverse effects on the environment.</p> <p>Order to Comply</p> <p>1B1.9 Applicator must obtain appropriate license use categories prior to any pesticide application. ITEM: (#29) -</p>					
<p>This ORDER stipulates that the subject product, container, screenings, media, or equipment may not be sold, distributed, conditioned, used, moved, removed, or disposed of until it has been released, in writing, under conditions specified by the Minnesota Department of Agriculture Commissioner or his authorized agents. Subsequent owners or custodians are required to comply with the terms of this ORDER. If this ORDER is written as a result of a use or other activity that is not in compliance with applicable state or federal regulations, that activity or use must be immediately stopped. Failure to comply with the terms of this ORDER by current or future owners or custodians may result in the initiation of further enforcement action as allowed under law.</p> <p>If you wish to contest this Order you must notify the commissioner in writing within forty-five (45) days of receipt of the Order. If you fail to notify the commissioner within this time period the Order becomes final and is not subject to further judicial or administrative review.</p>					
Inspector's Name Corinne du Preez			Inspector's Signature <i>Corinne du Preez</i>		Date 09/11/2012



NOTICE OF INSPECTION

Folder # CDP101051011		Insp # CDP101026451		Unit Doc ID # CDP-101050855	
Facility Name: HILLCREST GOLF CLUB OF SAINT PAUL		Unit Loc ID 339101003307		Telephone No. (Include Area Code) (651) 777-5186	
				County: RAMSEY	
Actual Inspection Location: 2200 EAST LARPENTEUR AVE		City: SAINT PAUL		State: MN	
				Zip Code: 55109	
Name of Inspector: Corinne du Preez		Signature of Inspector: <i>Corinne du Preez</i>			Date: 09/10/2012
REASON FOR INSPECTION IS TO DETERMINE COMPLIANCE WITH:					
<ul style="list-style-type: none">• Minnesota Pesticide Control Law, Minnesota Statutes Chapter 18 B; Chemical Liability Law, Minnesota Statutes Chapter 18D; and Agency Rules promulgated thereunder. Authority for entry, inspection, and sampling is found in Minnesota Statutes Section 18D.201.• Minnesota Fertilizer, Soil Amendment and Plant Amendment Law, Minnesota Statutes Chapter 18C; Chemical Liability Law, Minnesota Statutes Chapter 18D; and Agency Rules promulgated thereunder. Authority for entry, inspection, and sampling is found in Minnesota Statutes Section 18D.201.					
VIOLATIONS SUSPECTED AND/OR COMMENTS: Routine PFI - Non Ag					
Any violation documented during this initial inspection or a re-inspection may result in the issuance of an enforcement Action even if the violation is corrected. An enforcement Action may include a financial penalty. The MDA may conduct a re-inspection at any time to determine compliance.					

Notice of Inspection or Investigation Information

A regulatory inspection or investigation is being conducted by the Minnesota Department of Agriculture (MDA). The inspector will show you his/her credentials at the start of the inspection. The specific reason for the inspection or investigation is described on the MDA's official NOTICE of INSPECTION.

If this inspection or investigation is the result of a complaint to the MDA, please note that a complainant's identity is protected under state law.

If you are a complainant, please be advised that state law requires that you put your complaint in writing. You should be prepared to provide the following information to the MDA:

- date and time of the damage or injury
- how the damage or injury occurred
- what was damaged or injured
- the location where the damage or injury occurred
- if known, the identity of the person/firm you allege is responsible
- the agricultural chemical involved, if known.

If you do not have a MDA complaint form, the inspector will provide you with one.

If you believe that you, your animal or your pet have been injured by an agricultural chemical, you are advised to seek immediate medical or veterinary attention if you are concerned about the affects of the exposure. The MDA will request a copy of your medical/veterinary record as part of its investigation. If your physician or veterinarian desires additional information about the chemicals possibly involved, please direct them to contact MDA's John Peckham, Supervisor, at (651) 201-6276.

Complainants are also advised that inspections/investigations may be stopped in the field by the inspector for a lack of evidence.

If this is a routine inspection, a copy of the inspection findings will also be left with you or mailed to you within a few days by the inspector. A STATEMENT OF COMPLETION, an ORDER TO COMPLY, a CEASE & DESIST ORDER or other ORDER, or a NOTICE OF VIOLATION will also be left with for any violations that have been documented. You also may receive an additional STATEMENT OF COMPLETION, ORDER TO COMPLY, CEASE & DESIST ORDER or other ORDER at a later time upon review by MDA St. Paul staff.

Full compliance with a STATEMENT OF COMPLETION, an ORDER TO COMPLY, a CEASE AND DESIST ORDER or other ORDER, is required. DO NOT DELAY complying with any of these directives. If you do not comply with a directive, you may be subject to additional enforcement action.

Compliance with a STATEMENT OF COMPLETION, an ORDER TO COMPLY, a CEASE AND DESIST ORDER or other ORDER does not mean that enforcement action will not be brought for violations documented.

Under state and federal law, this inspection must be allowed to occur. Interviews may be requested and conducted. Access to state or federally regulated products, persons with knowledge of agricultural chemical use, storage, handling, distribution, and to state or federal required records must be allowed. Photographs and copies of documents may be taken or obtained by the inspector. Portions of certain records (including information about individuals) are protected under state law.

Information that you may have may be essential to determine regulatory compliance status. You are not required to answer questions asked by our inspector. You are not required to admit to any violation; however, if the MDA is unable to conduct an inspection or an investigation due to a refusal to allow the inspection, or a refusal to allow access to the persons or information detailed above, MDA may issue an ADMINISTRATIVE SUBPOENA to compel such inspection to occur and or to obtain such information. Investigation data is not public and will be protected until such time as the department determines that (1) no additional action is necessary, (2) an enforcement action is taken and closed or, (3) an investigation becomes inactive. Not public information is available only to those whose access is authorized by law, department employees whose job reasonably requires access, or by court order.

Please be advised that a person must not knowingly make or offer a false statement, record, or other information as part of an inspection or investigation. Providing false information to the MDA may result in a separate enforcement response.

MDA inspection or investigation activities, and subsequent review of evidence gathered, may require up to eight months or more to complete before a violation is determined or an enforcement response is taken by the MDA. MDA's St. Paul office determines any enforcement action to be issued.

If an enforcement action is issued, and you want to discuss it with the MDA, please contact only the MDA person issuing the action. This person has sole authority to discuss enforcement matters with you.

If you are a complainant, you will be notified in writing of any action the MDA takes against a responsible party.

Please contact the MDA's Data Management Unit to obtain copies of documents that are part of this inspection/investigation at (651) 201-6698.

For more information or if you have questions about the MDA's inspection/investigation process, inquire with the MDA inspector or call John Peckham, Supervisor at (651) 201-6276.



INSPECTION FINDINGS

PFI - Non Ag

Folder # CDP101051011	Insp # CDP101026451	Unit Doc ID # CDP-101050926	
Facility Name: HILLCREST GOLF CLUB OF SAINT PAUL		Unit Loc ID 339101003307	
Street Address (Actual Inspection Location): 2200 EAST LARPENTEUR AVE		City: SAINT PAUL	State: MN Zip Code: 55109
Telephone No. (651) 777-5186		County: RAMSEY	Date of Inspection: 09/10/2012

1--Pesticide Applicator License and Record Inspection

1[-1] Does this inspection include Pesticide Applicator License and/or Records Inspection? --Yes

1A--Applicator Records Inspection - General

1[-2] Does this inspection include Pesticide Application Records Inspection?--Yes

2[-3] Is applicator required to maintain application records?--No

1B--Pesticide Applicator License Inspection

1[-13] Does this inspection include Pesticide Applicator License Inspection?--Yes

2[-14] Is the company making structural or aquatic pest control applications? --No

1B1--Licensed or Certified Applicator Detail

1[-19] Applicator Name (Last Name, First Name, MI) --Schmidt, Thomas

2[-20] Applicator License #--20030155

3[-21] License Type --non-commercial

4[-22] License Category--A & E

5[-23] License Expiration Date--12/31/2012

6[-24] Is applicator still employed?--Yes

7[-26] Has this applicator applied pesticides during this use season?--Yes

8[-27] Is license type appropriate for use?--Yes

9[-29] Are license categories appropriate for use?--No

9a[-30] Explain No. --Needs Aquatic License

10[-31] Is applicator license displayed at place of business?--Yes

11[-32] Does applicator carry license identification card when applying pesticide?--Yes

2--Release Response Plan

1[-43] Is firm required to have an Incident Response Plan on file? --Yes

2[-44] Does firm have an Incident Response Plan? --Yes

3--Pesticide Storage And Use Inspection

1[-47] Does this inspection include a Pesticide Storage and Use Inspection? --Yes

3A--Pesticide Use and Storage

1[-48] Does this inspection include Pesticide Use and Storage? --Yes

1a[-49] CIS Location ID --339101003307

2[-50] Are pesticides stored separate from food, feed, and seed? --Yes

3[-51] Is pesticide storage area free of open drains? --Yes

4[-52] Are small package pesticides safeguarded as required by label? --Yes

5[-53] Are pesticides offered for sale in unopened and sealed containers? --No Retail Sales

6[-54] Are small package pesticide containers that are offered for sale properly labeled? --Yes

7[-55] Is there more than 56 gallons or 100 pounds of dry weight of pesticides stored within 150 feet of a well? --No

7a[-56] Are additional safeguards in place? --Yes

3B--Backflow Prevention

1[-57] Does this inspection include Backflow Prevention? --Yes

2[-58] Does the firm fill with water at the site? --Yes

3[-59] Are one or more backflow devices used for filling equipment on site? --No

3C--Pesticide Disposal and Container Management

1[-69] Does this inspection include Pesticide Disposal and Container Management? --Yes

2[-70] Is pesticide disposal consistent with label directions? --Yes

- 3[-71] Is pesticide rinsate disposal consistent with label directions? --Yes
 4[-72] Is pesticide container disposal consistent with label directions? --Yes
 5[-73] Are empty pesticide containers used only for the intended purposes? --Yes
 6[-74] Are pesticides, rinsate, and unrinsed pesticide containers properly safeguarded? --Yes

4--Incidents

1[-75] Are unreported agricultural chemical incidents evident at this facility?--No

5--Comments and References

1[-93] Comments --mix load pad drains to drainage area, C&D using mix load pad for washing of filling pesticide equipment. Recommend updating Release response plan annually. Recommend storing pesticide off of concrete in the pesticide storage area. Recommend using water service container for filling backpack equipment.

2[-94] Were references provided to facility? --Yes

2a[-95] Referred to MDA web site --Yes


2b[-96] Pesticide Facility Guidelines--No

2c[-97] Backflow Prevention Guidelines--Yes

2d[-98] General Requirements for Bulk Pesticides--No

2e[-99] Crack Repair and Maintenance --No

2f[-100] List any other reference documents provided to firm. --small package storage, MN Duty Officer

Inspector's Name Corinne du Preez	Inspector's Signature 	Date 09/11/2012
--------------------------------------	---	--------------------

CIS AG-03055-01 (09/06)

In accordance with the Americans With Disabilities Act, an alternative form of communication is available upon request.
 TTY: 1-800-627-3529 An Equal Opportunity Employer

SUBJECT: Commercial applicator record/license Summary

FIRM: Hillcrest Golf Club of Saint Paul

ADDRESS: P. O. Box 9399
Saint Paul MN 55109

Inspection summary

On September 10, 2012 MDA ACI Corinne DuPreez conducted a pesticide facility inspection at Hillcrest Golf Club of Saint Paul, St. Paul MN. Applicator licenses were reviewed during the inspection and determined that a pesticide application was completed without the appropriate use category. MDA's Du Preez issued an Order to Comply requiring appropriate use category prior to application and obtained an application record to document the violation.

Violations

Pesticide application without proper use category

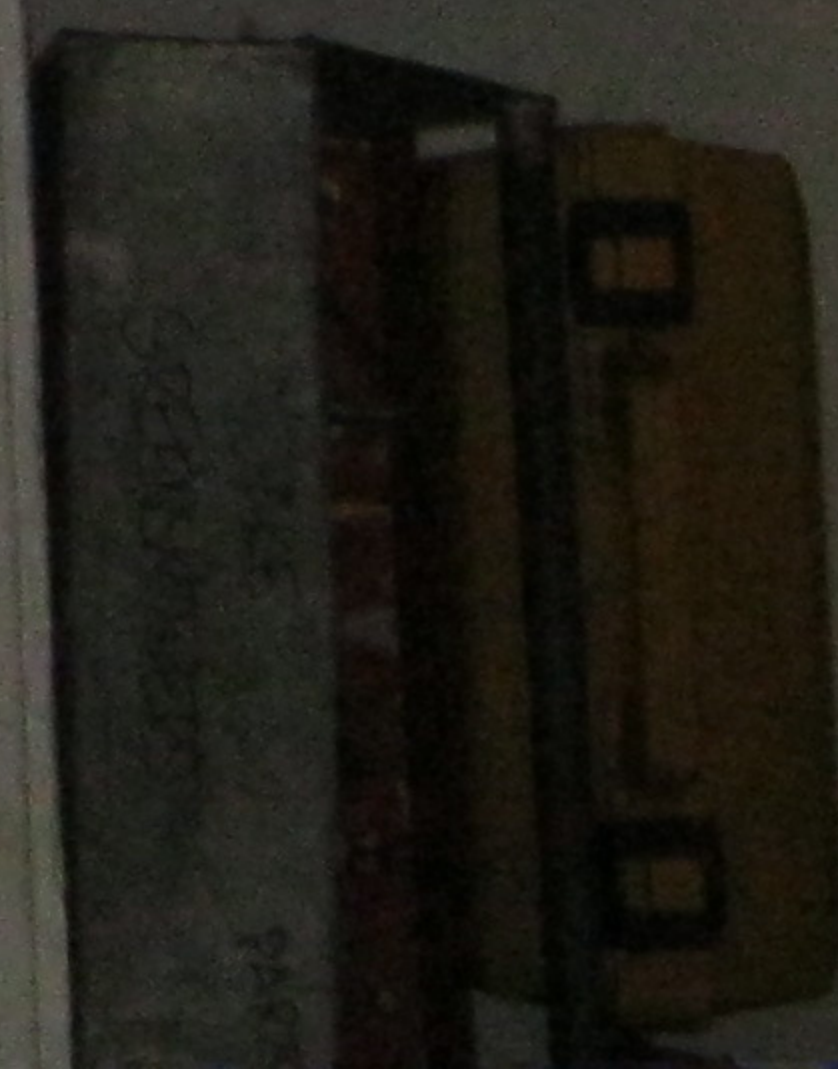
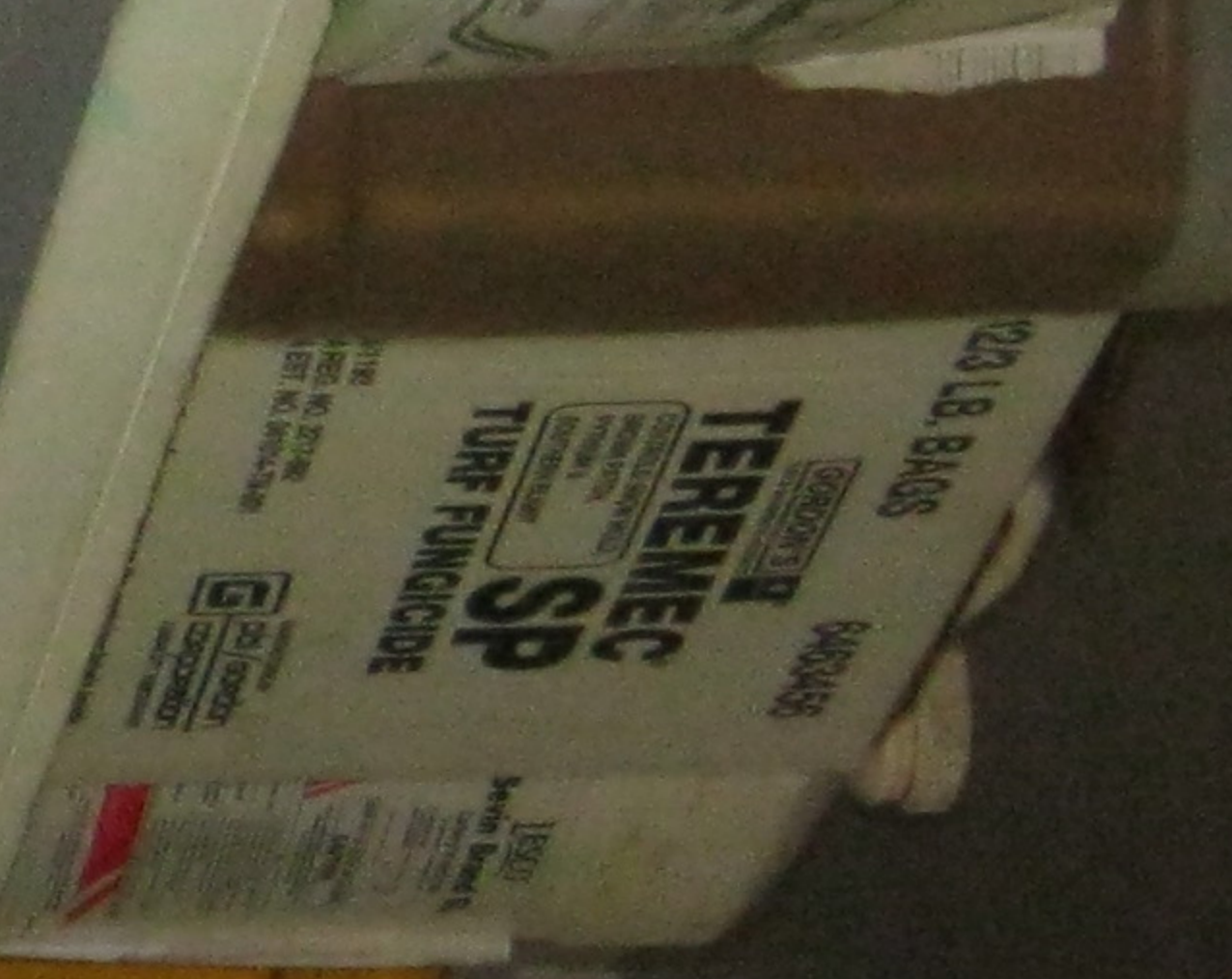
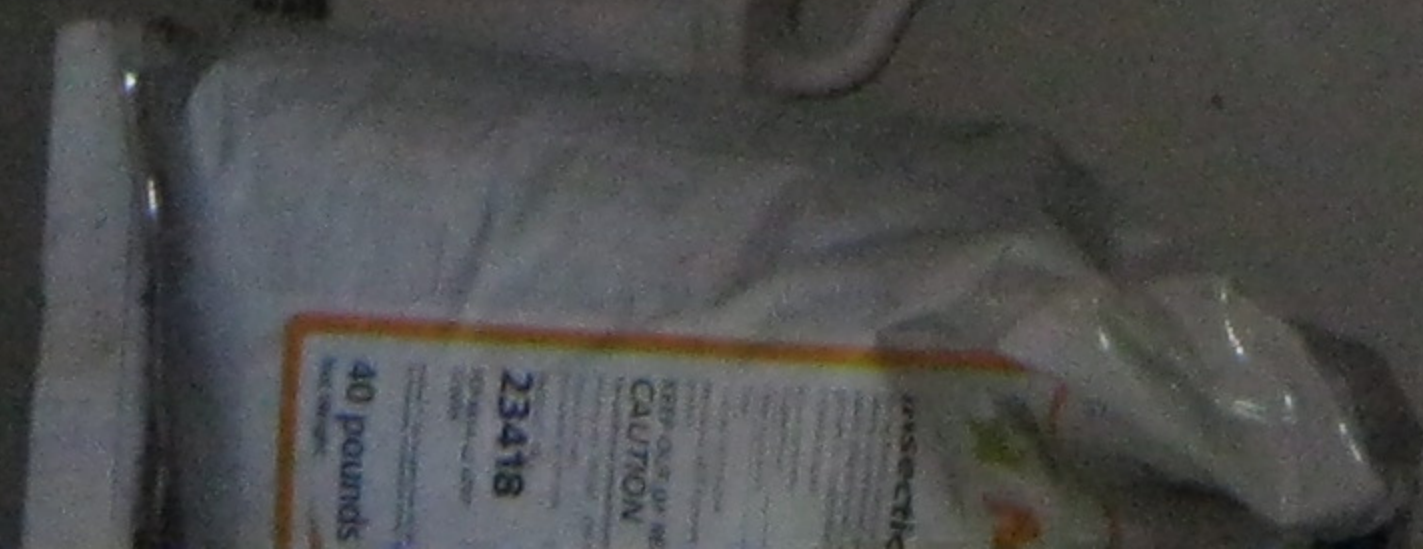
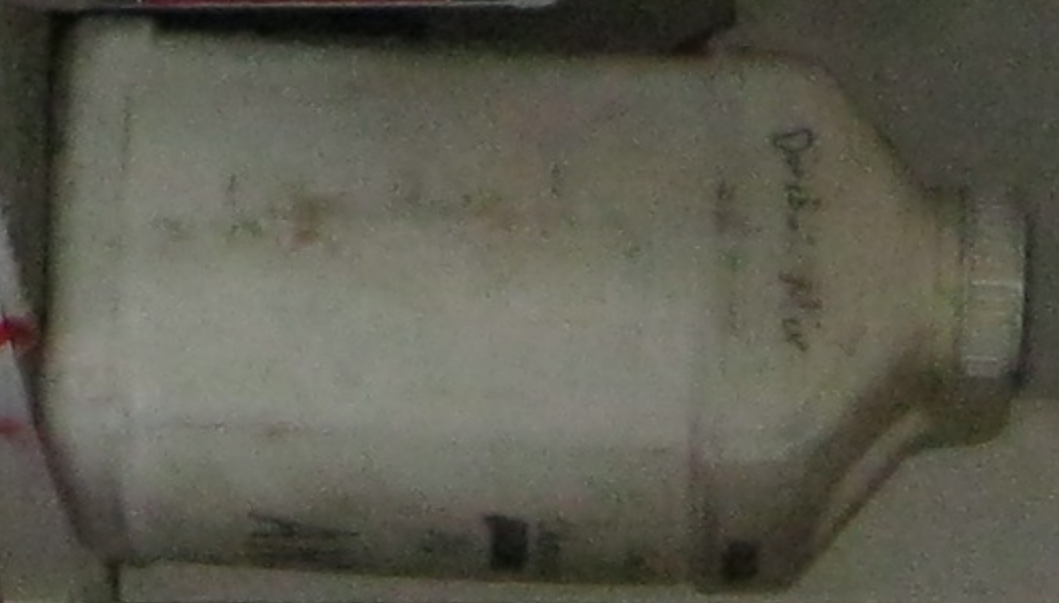
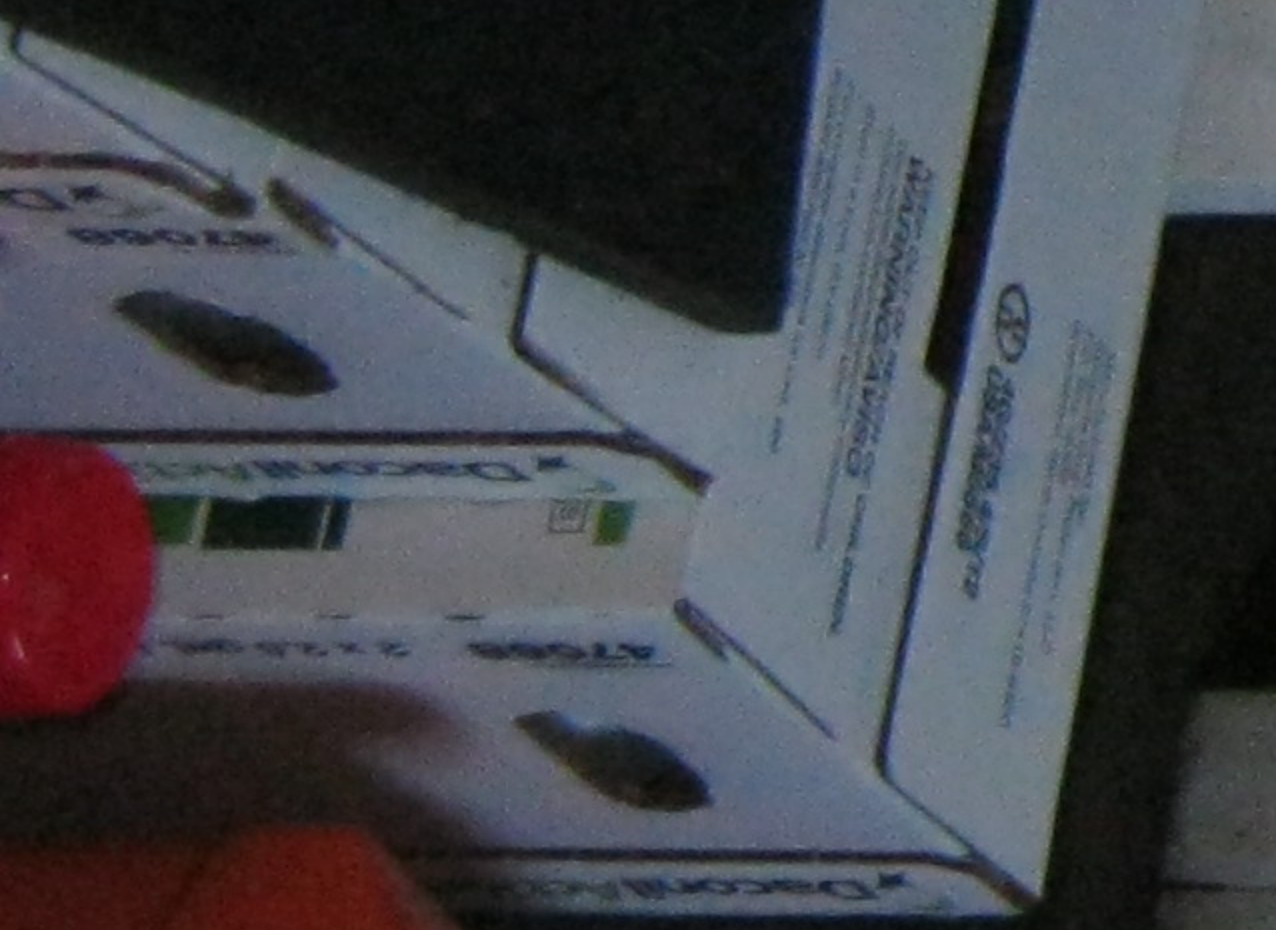
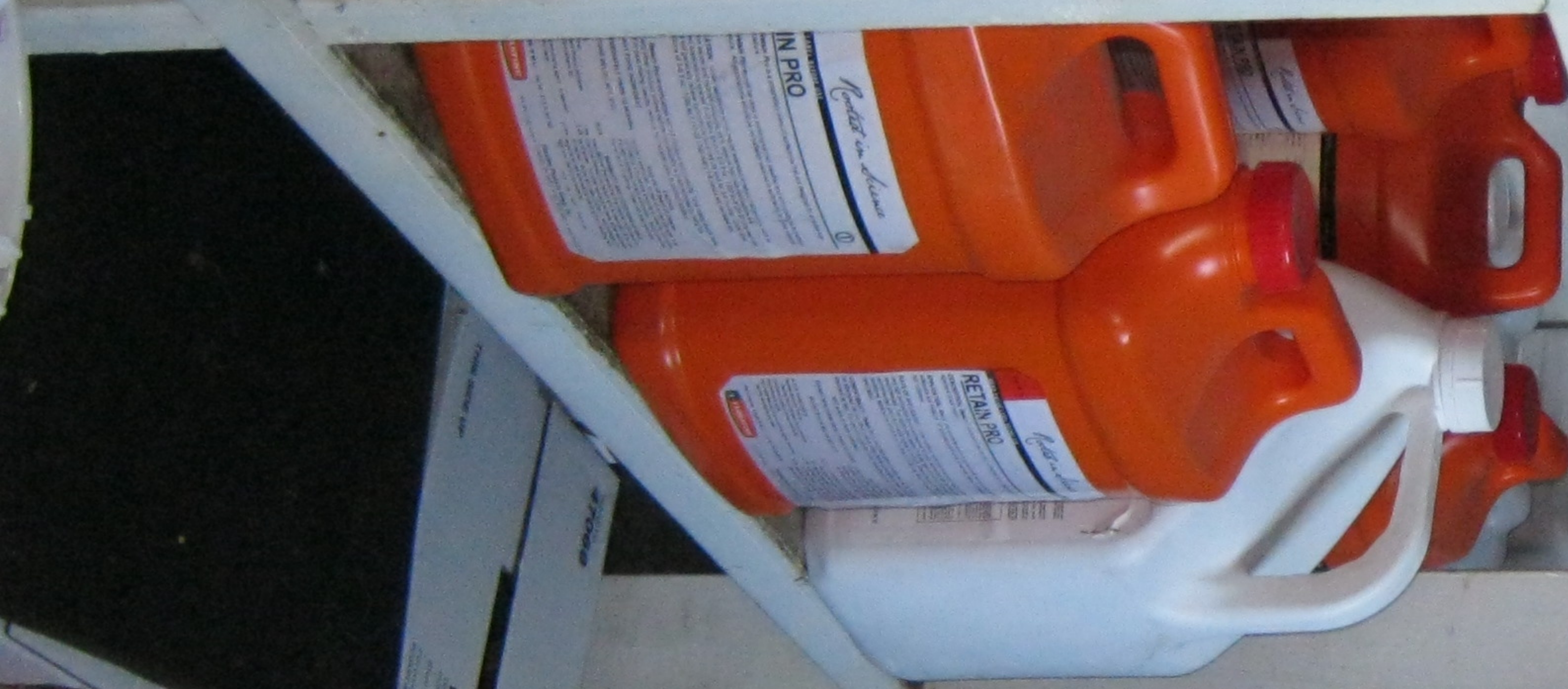
History

A search of the CIS system revealed no previous history of violation.

A search of the LIS system revealed Tom Schmidt (# 20030155) was licensed in category A & E.

Recommendation

Refer file to Enforcement Unit









EC GROW
Turf Fertilizer
DIMENSION® .10%
CRABGRASS PREVENTER
Net Wt. 50 lbs. (22.7 kg)
RN

GRO-POWER
PREMIUM GREEN
Where High Quality Turf is Desired
GRO-POWER
PREMIUM GREEN
Where High Quality Turf is Desired

EC GROW
Turf Fertilizer
DIMENSION® .10%
CRABGRASS PREVENTER
RN

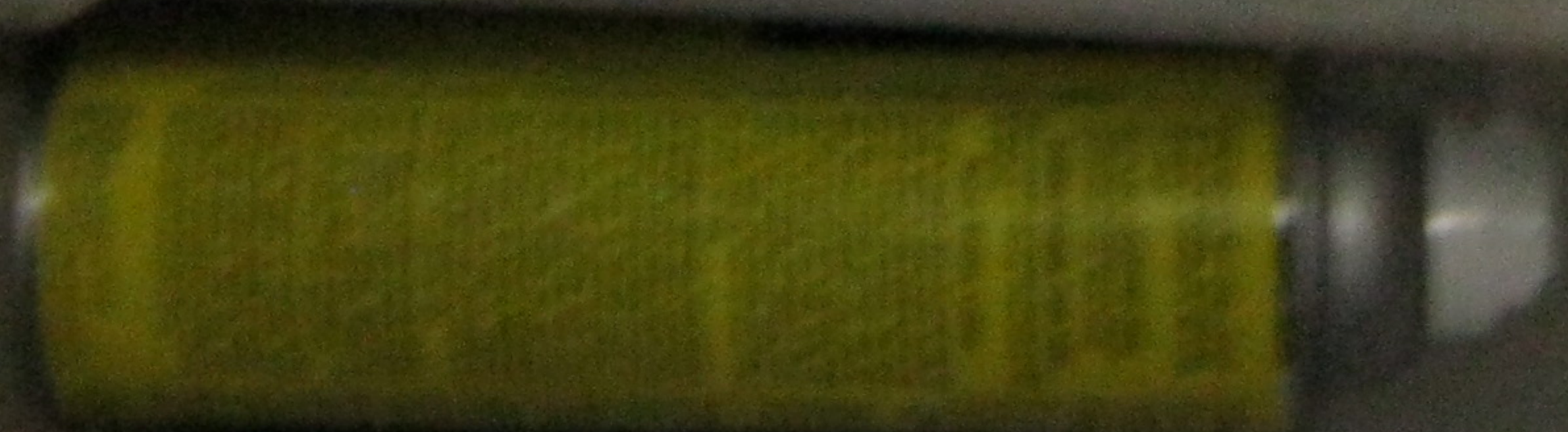
MIX

2-oz/3oz

~~Chlorpyrifos~~

Mix

ANTS









Minnesota Department of Agriculture
Pesticide and Fertilizer Management Division
625 Robert Street North, St. Paul, MN 55155-2538
Telephone: 651-201-6121 Fax: 651-201-6117

NOTICE OF INSPECTION

Folder # CDP101051271		Insp # CDP101026597		Unit Doc ID # CDP-101052237	
Facility Name: HILLCREST GOLF CLUB OF SAINT PAUL		Unit Loc ID 339101003307		Telephone No. (Include Area Code) (651) 777-5186	
				County: RAMSEY	
Actual Inspection Location: 2200 EAST LARPEN TEUR AVE		City: SAINT PAUL		State: MN	
				Zip Code: 55109	
Name of Inspector: Corinne du Preez		Signature of Inspector: <i>Corinne du Preez</i>			Date: 10/03/2012
REASON FOR INSPECTION IS TO DETERMINE COMPLIANCE WITH:					
<ul style="list-style-type: none">• Minnesota Pesticide Control Law, Minnesota Statutes Chapter 18 B; Chemical Liability Law, Minnesota Statutes Chapter 18D; and Agency Rules promulgated thereunder. Authority for entry, inspection, and sampling is found in Minnesota Statutes Section 18D.201.• Minnesota Fertilizer, Soil Amendment and Plant Amendment Law, Minnesota Statutes Chapter 18C; Chemical Liability Law, Minnesota Statutes Chapter 18D; and Agency Rules promulgated thereunder. Authority for entry, inspection, and sampling is found in Minnesota Statutes Section 18D.201.					
This inspection is a follow-up to another conducted on: 09/10/2012					
VIOLATIONS SUSPECTED AND/OR COMMENTS: Reinsp PFI - Non Ag					
Any violation documented during this initial inspection or a re-inspection may result in the issuance of an enforcement Action even if the violation is corrected. An enforcement Action may include a financial penalty. The MDA may conduct a re-inspection at any time to determine compliance.					

CIS AG-03048-01 (09/06)

In accordance with the Americans With Disabilities Act, an alternative form of communication is available upon request. TTY: 1-800-627-3529
An Equal Opportunity Employer

FACILITY RECEIPT OF DOCUMENTS

Folder # CDP101051271		Insp # CDP101026597		Unit Doc ID # CDP-101052285	
FACILITY NAME (If applicable) HILLCREST GOLF CLUB OF SAINT PAUL		UNIT LOC ID 339101003307	ADDRESS (Include Zip Code) 2200 EAST LARPENTEUR AVE SAINT PAUL, MN 55109		
STATE MN	COUNTY RAMSEY	CITY SAINT PAUL	START DATE 10/03/2012	TIME	FIELD CLOSED DATE 11/06/2012
CONTACTS:					
Documents provided to facility as part of the inspection: #CDP-101052237, Notice of Inspection #CDP-101052286, Inspection Questions and Responses #CDP-101052287, Facility Receipt of Documents					
FACILITY REPRESENTATIVE (printed):			FACILITY REPRESENTATIVE SIGNATURE:		TODAY'S DATE 11/06/2012
Representing HILLCREST GOLF CLUB OF SAINT PAUL acknowledge receipt of the above documents.					
<input type="checkbox"/> REFUSED TO SIGN <input type="checkbox"/> NO ONE AVAILABLE TO SIGN <input type="checkbox"/> COPY OF ACKNOWLEDGMENT PROVIDED TO FACILITY					
INSPECTOR Corinne duPreez		Signature, Minnesota Department of Agriculture Representative <i>Corinne du Preez</i>			TODAY'S DATE 11/06/2012



INSPECTION FINDINGS

PFI - Non Ag

Folder # CDP101051271	Insp # CDP101026597	Unit Doc ID # CDP-101052286	
Facility Name: HILLCREST GOLF CLUB OF SAINT PAUL	Unit Loc ID 339101003307		
Street Address (Actual Inspection Location): 2200 EAST LARPEN TEUR AVE	City: SAINT PAUL	State: MN	Zip Code: 55109
Telephone No. (651) 777-5186	County: RAMSEY	Date of Inspection: 10/03/2012	

1--Pesticide Applicator License and Record Inspection

1[-1] Does this inspection include Pesticide Applicator License and/or Records Inspection? --No

2--Release Response Plan

1[-43] Is firm required to have an Incident Response Plan on file? --No

3--Pesticide Storage And Use Inspection

1[-47] Does this inspection include a Pesticide Storage and Use Inspection? --Yes

3A--Pesticide Use and Storage

1[-48] Does this inspection include Pesticide Use and Storage? --No

3B--Backflow Prevention

1[-57] Does this inspection include Backflow Prevention? --Yes

2[-58] Does the firm fill with water at the site? --Yes

3[-59] Are one or more backflow devices used for filling equipment on site? --Yes

3B1--Backflow Devices

1[-60] Device Number. --1

2[-61] Device Description. --Tank sprayer

2a[-62] CIS Location ID for this Device. --339101003307

3[-63] Backflow device type. --Airgap

4[-66] Is backflow device adequate for filling equipment? --Yes

3C--Pesticide Disposal and Container Management

1[-69] Does this inspection include Pesticide Disposal and Container Management? --No

4--Incidents

1[-75] Are unreported agricultural chemical incidents evident at this facility? --No

5--Comments and References

1[-93] Comments --Assistant superintendent, Joel Hanson, showed me the installed airgap on the tank sprayer and we looked as proposed new mix/load pad located along irrigation line. I requested Tom Schmidt to send me dates of their 2012 Aquatic applications. Inspection findings and ROD sent in the mail.

2[-94] Were references provided to facility? --No

Inspector's Name Corinne du Preez	Inspector's Signature <i>Corinne du Preez</i>	Date 10/03/2012
--------------------------------------	--	--------------------

FACILITY RECEIPT OF DOCUMENTS

Folder # CDP101051271		Insp # CDP101026597		Unit Doc ID # CDP-101052287	
FACILITY NAME (If applicable) HILLCREST GOLF CLUB OF SAINT PAUL		UNIT LOC ID 339101003307	ADDRESS (Include Zip Code) 2200 EAST LARPENTEUR AVE SAINT PAUL, MN 55109		
STATE MN	COUNTY RAMSEY	CITY SAINT PAUL	START DATE 10/03/2012	TIME	FIELD CLOSED DATE 10/03/2012
CONTACTS:					
Documents provided to facility as part of the inspection: #CDP-101052237, Notice of Inspection #CDP-101052286, Inspection Questions and Responses					
FACILITY REPRESENTATIVE (printed):			FACILITY REPRESENTATIVE SIGNATURE:		TODAY'S DATE 10/03/2012
Representing HILLCREST GOLF CLUB OF SAINT PAUL acknowledge receipt of the above documents.					
<input type="checkbox"/> REFUSED TO SIGN <input checked="" type="checkbox"/> NO ONE AVAILABLE TO SIGN <input type="checkbox"/> COPY OF ACKNOWLEDGMENT PROVIDED TO FACILITY					
INSPECTOR Corinne du Preez		Signature, Minnesota Department of Agriculture Representative <i>Corinne du Preez</i>			TODAY'S DATE 10/03/2012

duPreez, Corinne (MDA)

CDP-101052403

From: Tom Schmidt <toms_hillcreststpaul@comcast.net>
Sent: Thursday, October 04, 2012 11:02 AM
To: duPreez, Corinne (MDA)
Subject: Hillcrest
Attachments: photo.JPG; ATT00001.txt

Thanks Tom Schmidt

duPreez, Corinne (MDA)

CDP-1016524 04

From: Tom Schmidt <toms_hillcreststpaul@comcast.net>
Sent: Thursday, October 04, 2012 10:58 AM
To: duPreez, Corinne (MDA)
Subject: Aquatic

Corinne , I am sending my pesticide application record for my aquatic application. My computer is down sending it via iPhone .

Thanks Thomas Schmidt
Hillcrest golf club of St. Paul

Sent from my iPhone

Notice of Inspection or Investigation Information

A regulatory inspection or investigation is being conducted by the Minnesota Department of Agriculture (MDA). The inspector will show you his/her credentials at the start of the inspection. The specific reason for the inspection or investigation is described on the MDA's official NOTICE of INSPECTION.

If this inspection or investigation is the result of a complaint to the MDA, please note that a complainant's identity is protected under state law.

If you are a complainant, please be advised that state law requires that you put your complaint in writing. You should be prepared to provide the following information to the MDA:

- date and time of the damage or injury
- how the damage or injury occurred
- what was damaged or injured
- the location where the damage or injury occurred
- if known, the identity of the person/firm you allege is responsible
- the agricultural chemical involved, if known.

If you do not have a MDA complaint form, the inspector will provide you with one.

If you believe that you, your animal or your pet have been injured by an agricultural chemical, you are advised to seek immediate medical or veterinary attention if you are concerned about the affects of the exposure. The MDA will request a copy of your medical/veterinary record as part of its investigation. If your physician or veterinarian desires additional information about the chemicals possibly involved, please direct them to contact MDA's John Peckham, Supervisor, at (651) 201-6276.

Complainants are also advised that inspections/investigations may be stopped in the field by the inspector for a lack of evidence.

If this is a routine inspection, a copy of the inspection findings will also be left with you or mailed to you within a few days by the inspector. A STATEMENT OF COMPLETION, an ORDER TO COMPLY, a CEASE & DESIST ORDER or other ORDER, or a NOTICE OF VIOLATION will also be left with for any violations that have been documented. You also may receive an additional STATEMENT OF COMPLETION, ORDER TO COMPLY, CEASE & DESIST ORDER or other ORDER at a later time upon review by MDA St. Paul staff.

Full compliance with a STATEMENT OF COMPLETION, an ORDER TO COMPLY, a CEASE AND DESIST ORDER or other ORDER, is required. DO NOT DELAY complying with any of these directives. If you do not comply with a directive, you may be subject to additional enforcement action.

Compliance with a STATEMENT OF COMPLETION, an ORDER TO COMPLY, a CEASE AND DESIST ORDER or other ORDER does not mean that enforcement action will not be brought for violations documented.

Under state and federal law, this inspection must be allowed to occur. Interviews may be requested and conducted. Access to state or federally regulated products, persons with knowledge of agricultural chemical use, storage, handling, distribution, and to state or federal required records must be allowed. Photographs and copies of documents may be taken or obtained by the inspector. Portions of certain records (including information about individuals) are protected under state law.

Information that you may have may be essential to determine regulatory compliance status. You are not required to answer questions asked by our inspector. You are not required to admit to any violation; however, if the MDA is unable to conduct an inspection or an investigation due to a refusal to allow the inspection, or a refusal to allow access to the persons or information detailed above, MDA may issue an ADMINISTRATIVE SUBPOENA to compel such inspection to occur and or to obtain such information. Investigation data is not public and will be protected until such time as the department determines that (1) no additional action is necessary, (2) an enforcement action is taken and closed or, (3) an investigation becomes inactive. Not public information is available only to those whose access is authorized by law, department employees whose job reasonably requires access, or by court order.

Please be advised that a person must not knowingly make or offer a false statement, record, or other information as part of an inspection or investigation. Providing false information to the MDA may result in a separate enforcement response.

MDA inspection or investigation activities, and subsequent review of evidence gathered, may require up to eight months or more to complete before a violation is determined or an enforcement response is taken by the MDA. MDA's St. Paul office determines any enforcement action to be issued.

If an enforcement action is issued, and you want to discuss it with the MDA, please contact only the MDA person issuing the action. This person has sole authority to discuss enforcement matters with you.

If you are a complainant, you will be notified in writing of any action the MDA takes against a responsible party.

Please contact the MDA's Data Management Unit to obtain copies of documents that are part of this inspection/investigation at (651) 201-6698.

For more information or if you have questions about the MDA's inspection/investigation process, inquire with the MDA inspector or call John Peckham, Supervisor at (651) 201-6276.





DOC. NO. ⁴ MPB-101057558

PESTICIDE AND FERTILIZER MANAGEMENT DIVISION
ENFORCEMENT UNIT
SIGNATURE MEMO

File: Hillcrest Golf Club of Saint Paul CDP101051010 (MB)

TO:	DATE	INITIAL & DATE OUT	RETURN TO:
John Peckham	1-25-13	1/29/13 J-R	Heidi
C. WICKS	1-30-13	2-4-13 Attached	m Binson
A. WALKER	1-30-13	2-6-13 Attached	M. Binson
K. Runkel	1-30-13	1-31-13 Via email	M. Binson
G. Harding	1-30-13	Attached	M. Binson
C. deprez	1-30-13	2-1-13 Attached	M. Binson
Greg Buzink	2-6-13	FCB 2/6/13 OK	Heidi

**PESTICIDE AND FERTILIZER MANAGEMENT DIVISION
ENFORCEMENT UNIT
SIGNATURE MEMO**

File: Hillcrest Golf Club of Saint Paul CDP101051010 (MB)

TO:	DATE	INITIAL & DATE OUT	RETURN TO:
John Peckham	1-25-13	1/29/13 JPR	Heidi
C. Wicks	1-30-13		m. BUNORN
A. Waiser	1-30-13		m. BUNORN
K. Runkel	1-30-13		m. BUNORN
G. Harding	1-30-13	1/30/13 JHA	m. BUNORN
C. deprez	1-30-13		m. BUNORN

**PESTICIDE AND FERTILIZER MANAGEMENT DIVISION
ENFORCEMENT UNIT
SIGNATURE MEMO**

File: Hillcrest Golf Club of Saint Paul CDP101051010 (MB)

TO:	DATE	INITIAL & DATE OUT	RETURN TO:
John Peckham	1-25-13	1/29/13 JRP	Heidi
C. Wicks	1-30-13		M. Binson
A. Waiser	1-30-13		M. Binson
K. Runkel	1-30-13		M. Binson
G. Harding	1-30-13		M. Binson
C. deprez	1-30-13	02/01/13 C&P	M. Binson

**PESTICIDE AND FERTILIZER MANAGEMENT DIVISION
ENFORCEMENT UNIT
SIGNATURE MEMO**

File: Hillcrest Golf Club of Saint Paul CDP101051010 (MB)

TO:	DATE	INITIAL & DATE OUT	RETURN TO:
John Peckham	1-25-13	1/29/13 JRP	Heidi
C. Wicks	1-30-13	2/4/13 C. Wicks	M. Binson
A. Wauer	1-30-13		M. Binson
K. Runkel	1-30-13		M. Binson
G. Harding	1-30-13		M. Binson
C. deprez	1-30-13		M. Binson

**PESTICIDE AND FERTILIZER MANAGEMENT DIVISION
ENFORCEMENT UNIT
SIGNATURE MEMO**

File: Hillcrest Golf Club of Saint Paul CDP101051010 (MB)

TO:	DATE	INITIAL & DATE OUT	RETURN TO:
John Pockham	1-25-13	1/29/13 JPR	Heidi
C. Wicks	1-30-13		M. Bismuth
A. Waller	1-30-13	need to add penalty for no lat/ in following 10/2-3-13	M. Bismuth
K. Runkel	1-30-13		M. Bismuth
G. Harding	1-30-13		M. Bismuth
C. deprez	1-30-13		M. Bismuth

SPE-101058324

SENDER: COMPLETE THIS SECTION

- Complete Items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Thomas Schmidt
Hillcrest Golf Club of Saint Paul
2200 Larpenteur Ave E
Saint Paul MN 55109-4866

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Paul C. Stuebing

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☒ Return Receipt for Merchandise

☒ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. 7010 2780 0001 6967 1614

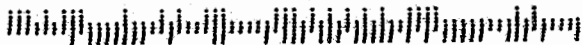
UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

- Sender: Please print your name, address, and ZIP+4 in this box •

Minnesota Department of Agriculture
Attn: Mike Benson - Enforcement Unit
625 Robert St N
Saint Paul MN 55155-2538





Document No. # MPB-101057088

February 7, 2013

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Thomas Schmidt
Hillcrest Golf Club of Saint Paul
2200 Larpenteur Ave E
Saint Paul MN 55109-4866

SUBJECT: NOTICE OF INTENT - ENFORCEMENT ACTION
CASE FILE NUMBER CDP101051010

Dear Mr. Schmidt:

Enclosed please find a **Notice of Intent - Enforcement Action** issued to you by the Minnesota Department of Agriculture (MDA) pursuant to its authority under the Minnesota Pesticide and Fertilizer Laws, Minnesota Statutes Chapters 18B, 18C, and 18D (2012). This **Notice** establishes a proposed monetary penalty and describes steps to be taken to abate violations of the law.

The MDA will not commence legal action for the noted violations if Hillcrest Golf Club of Saint Paul complies with the terms of the **Notice**, including returning the enclosed **Acknowledgment of Violation** within thirty (30) days. In the event Hillcrest Golf Club of Saint Paul complies with the terms of the **Notice** and pays the proposed penalty within this time period, no further legal action will be taken by the MDA with respect to these violations.

If you have additional information you believe materially changes the factual basis for this Notice of Intent - Enforcement Action, you may submit such information by letter to this office for review and evaluation within thirty (30) days. Correspondence may be submitted by U.S. mail or FAX: (651) 201-6112. The MDA will review submitted correspondence and provide a written response to you. If you have any questions please contact, Michael Benson @ 507-206-2880 or Michael.Benson@state.mn.us.

Sincerely,

A handwritten signature in cursive script that reads "John Peckham".

John Peckham, Manager
Inspection and Enforcement Section
Pesticide and Fertilizer Management Division

JP/MB/swf

Enclosure

In the Matter of
Hillcrest Golf Club of Saint Paul
Saint Paul, MN

**NOTICE OF INTENT
ENFORCEMENT ACTION
CASE FILE NUMBER: CDP101051010
Document No. # MPB-101057088**

I. INTRODUCTION

This **Notice of Intent - Enforcement Action** is issued to Hillcrest Golf Club of Saint Paul pursuant to the authority of the Commissioner of the Minnesota Department of Agriculture (MDA) by Minnesota Statutes, Section 18D.301, Subd. 1 (2012) to enforce Minnesota's Pesticide Law (Minnesota Statutes, Chapter 18B). The Commissioner is authorized pursuant to Minnesota Statutes, Section 18D.305, Subd. 1 (2012) to initiate administrative action, or pursuant to Minnesota Statutes, Section 18D.325, Subd. 1, (2012) to commence a civil action and recover civil penalties assessed under Minnesota Statutes 18D.301, Subd. 3.

II. FACTUAL BACKGROUND

Based upon information available on the date of this **Notice**, MDA alleges the following facts:

- A. Hillcrest Golf Club of Saint Paul is a facility located at 2200 East Larpenteur Avenue, Saint Paul, MN 55109
- B. Hillcrest Golf Club of Saint Paul (HGCOSP) is a golf club that uses, handles and stores pesticides. Thomas Schmidt is the superintendent and a licensed Minnesota Non-Commercial Pesticide Applicator; License No. # 20030155.
- C. On September 10, 2012, a MDA Agricultural Chemical Investigator (ACI) conducted a routine pesticide facility inspection at HGCOSP. During the inspection the ACI documented the facility did not have adequate backflow prevention on their water supply used to fill pesticide application equipment. The ACI also documented inadequate safeguards for the pesticide mix/load pad.

In a review of HGCOSP's application records the ACI, documented aquatic applications had been made without the proper licensed category.

The ACI issued HGCOSP a **CEASE AND DESIST Order** to cease filling pesticide application equipment until an MDH approved backflow prevention device was installed and to cease the use of the pesticide mix/load pad location.

The ACI also issued HGCOSP an **ORDER TO COMPLY** to obtain the appropriate license use category (s) prior to pesticide application.

- D. On October 3, 2012 a MDA Agricultural Chemical Investigator (ACI) conducted a follow-up pesticide facility inspection at HGCOSP and documented that an adequate backflow prevention device had been installed and the pesticide mix/load pad was moved.

III. ALLEGED VIOLATIONS

Based upon the facts as alleged above, MDA alleges Hillcrest Golf Club of Saint Paul has violated the following provisions of the Minnesota Pesticide Laws and Rules:

- A. Minnesota Statutes, 18B.07, Subd. 5, a person may not fill pesticide application equipment directly from a public water supply unless the outlet is equipped with a backflow prevention device.
- B. Minnesota Statutes, 18B.07, Subd. 4, a person may not allow a pesticide, rinsate, or unrinsed pesticide container to be stored, kept, or remain in or on any site without safeguards adequate to prevent an incident.
- C. Minnesota Statutes, 18B.345, (a), (2), application of a pesticide to the property of a golf course must be performed by a commercial or noncommercial pesticide applicator with appropriate use certification.

IV. CIVIL ACTION

- A. MDA intends to file suit in State District Court, or other appropriate court within the judicial system, thirty (30) days from the date of this **Notice**.
- B. Based upon the violations alleged above, MDA will ask the Court to:
 - 1. Declare the actions taken by Hillcrest Golf Club of Saint Paul described above to be violations of the Minnesota Pesticide Laws and Rules;
 - 2. Assess a civil penalty of **\$250.00** against Hillcrest Golf Club of Saint Paul for the violations identified above:
 - a. \$250.00 failure to provide adequate backflow prevention device on water supply used to fill pesticide application equipment.
 - 3. Order Hillcrest Golf Club of Saint Paul to pay MDA its litigation costs and expenses incurred in pursuit of this action.
- C. Hillcrest Golf Club of Saint Paul is **HEREBY ORDERED** to remedy the above-described violations by:
 - 1. Maintaining adequate backflow prevention on the water supply used to fill pesticide application equipment.
 - 2. Maintaining a liquid-tight containment area for the pesticide mix/load pad.

3. Obtaining and maintaining pesticide applicator certification with the proper use categories.

V. SETTLEMENT OPPORTUNITY

- A. MDA will not take the civil enforcement actions identified above if, within thirty (30) days:
1. Hillcrest Golf Club of Saint Paul pays the civil penalty proposed in Part IV; and
 2. Hillcrest Golf Club of Saint Paul complies with the ORDER(s) in Part IV; C, and
 3. Hillcrest Golf Club of Saint Paul completes, signs, and returns the attached **Acknowledgment of Violation** form.
- C. Civil penalties (payable to the Minnesota Department of Agriculture) and **Acknowledgment of Violation** forms should be returned to:

Enforcement Unit
Attention: Pesticide Regulatory Account # 813659
Minnesota Department of Agriculture
625 North Robert Street
Saint Paul, Minnesota 55155-2538

Please include the following information on the check:
Pesticide Regulatory Account # 813659 Entity # 2401

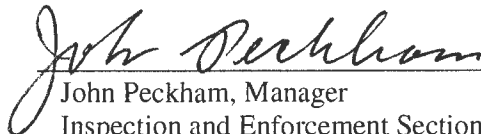
VI. EFFECT OF SETTLEMENT

If Hillcrest Golf Club of Saint Paul pays the proposed civil penalty and returns the completed and signed **Acknowledgment of Violation** within thirty (30) days of this **Notice**, MDA will not initiate the civil action described above. Failure to pay the above-described penalty and return the completed and signed **Acknowledgment of Violation** form will cause MDA to initiate a civil action for the remedies described above.

VII. ADDITIONAL INFORMATION

If Hillcrest Golf Club of Saint Paul has additional information, which materially changes the factual allegations described above, that information might be submitted to MDA in writing for review and evaluation. However, MDA's **Notice of Intent - Enforcement Action** will remain effective until Hillcrest Golf Club of Saint Paul is notified otherwise by MDA.

Dated: February 7, 2013


John Peckham, Manager
Inspection and Enforcement Section
Pesticide & Fertilizer Management Division



In the Matter of
Hillcrest Golf Club of Saint Paul
Saint Paul, MN

ACKNOWLEDGMENT OF VIOLATION
CASE FILE NUMBER: CDP101051010
Entity #2401 PRA # 813659

_____ hereby states:
(Name of Firm Representative – Please Print)

1. That he/she represents Hillcrest Golf Club of Saint Paul at its Saint Paul, MN office.
2. That he/she received a **Notice of Intent - Enforcement Action** from the Minnesota Department of Agriculture (MDA), dated February 7, 2013.
3. That Hillcrest Golf Club of Saint Paul is aware of its right to contest the allegations contained in the **Notice of Intent - Enforcement Action** by refusing to settle with MDA and hereby waives that right.
4. That he/she hereby acknowledges on behalf of Hillcrest Golf Club of Saint Paul that the violations identified by the MDA in the February 7, 2013, **Notice of Intent - Enforcement Action** were committed by Hillcrest Golf Club of Saint Paul.
5. That he/she hereby agrees on behalf of Hillcrest Golf Club of Saint Paul to refrain from committing the violations, and comply with the ORDER described in the above-referenced **Notice of Intent - Enforcement Action** and understands repeated violations, and/or violation of the ORDER(s) cited in the **Notice of Intent - Enforcement Action** may subject Hillcrest Golf Club of Saint Paul to injunctive relief and/or additional civil penalties.
6. Please be advised that the acknowledgment of this/these violations, and for violation of the ORDER may be introduced into any future application for reimbursement of corrective action costs under ACRRA, Chapter 18E, and may result in a reduction in reimbursement.

Hillcrest Golf Club of Saint Paul

By: _____

Title _____

State of Minnesota

County of _____

This instrument was acknowledged before me on (Date) _____ by

by (Name of Firm Representative) _____.

(SEAL)

Notary

My commission expires: _____



In the Matter of
Hillcrest Golf Club of Saint Paul
Saint Paul, MN

ACKNOWLEDGMENT OF VIOLATION
CASE FILE NUMBER: CDP101051010

Entity #2401 PRA # 813659

Hillcrest Operations (Thomas Schmidt) hereby states:
(Name of Firm Representative - Please Print)

1. That he/she represents Hillcrest Golf Club of Saint Paul at its Saint Paul, MN office.
2. That he/she received a **Notice of Intent - Enforcement Action** from the Minnesota Department of Agriculture (MDA), dated February 7, 2013.
3. That Hillcrest Golf Club of Saint Paul is aware of its right to contest the allegations contained in the **Notice of Intent - Enforcement Action** by refusing to settle with MDA and hereby waives that right.
4. That he/she hereby acknowledges on behalf of Hillcrest Golf Club of Saint Paul that the violations identified by the MDA in the February 7, 2013, **Notice of Intent - Enforcement Action** were committed by Hillcrest Golf Club of Saint Paul.
5. That he/she hereby agrees on behalf of Hillcrest Golf Club of Saint Paul to refrain from committing the violations, and comply with the ORDER described in the above-referenced **Notice of Intent - Enforcement Action** and understands repeated violations, and/or violation of the ORDER(s) cited in the **Notice of Intent - Enforcement Action** may subject Hillcrest Golf Club of Saint Paul to injunctive relief and/or additional civil penalties.
6. Please be advised that the acknowledgment of this/these violations, and for violation of the ORDER may be introduced into any future application for reimbursement of corrective action costs under ACRRRA, Chapter 18E, and may result in a reduction in reimbursement.

Hillcrest Golf Club of Saint Paul

By: Thomas Schmidt

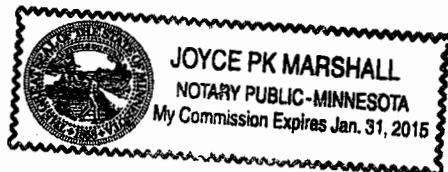
Title GOLF COURSE SUPERINTENDENT

State of Minnesota

County of Ramsey

This instrument was acknowledged before me on (Date) 2-5-2013 by
by (Name of Firm Representative) Thomas Schmidt.

(SEAL)



Joyce PK Marshall
Notary

My commission expires: 1-31-15

PAID

MAR 06 2013

Dept. of Agriculture
Finance & Budget Div.

Attachment E

Ramsey County Spill Database Search Results



MINNESOTA DEPARTMENT OF AGRICULTURE
AGRONOMY & PLANT PROTECTION DIVISION
90 WEST PLATO BOULEVARD, ST. PAUL MN 55107-2094
TELEPHONE: (651) 296-6121, FAX: (651) 297-2271

Incidents Reported in
RAMSEY COUNTY
from 01/01/1977 to 08/26/2011

Date Reported	Case File	Partyname	Incident Cause	Product Involved	Civil Division	Description	Township / Range / Section
07/28/1990	90-0017	JOHNSON & SON	LEAKING CONTAINERS	2 C. METASTYSTOX R2		BACKSHOP OF GREENHOUSE	
08/01/1990	90-0041	TRUGREEN/CHEMLAWN	SPREADER FELL OFF TRUCK AND WAS HIT BY A CAR.	8 LBS 28-3-10 W/50% SULFUR COATED UREA	WHITE BEAR LAKE	STREET - E COUNTY LINE; BETWEEN RIVEARA ST S & N WHITE BEAR LAKE	
10/04/1990	91-0006	TRUGREEN/CHEMLAWN	POSSIBLE LEAK FROM UNDERGROUND STORAGE TANKS	(2) 10,000 GALLON FERTILIZER TANKS	MAPLEWOOD	1167 E HWY 36, MAPLEWOOD	
02/08/1991	91-0090	BELL LUMBER & POLE CO	OVERFILL OF DIPTANK	~500 GAL OF PENT TREATING SOLUTION	NEW BRIGHTON	778 1ST ST NW, NEW BRIGHTON CEMENT SLAB AND PLASTIC LINED LOAD OUT AREA AT FACILITY	
04/04/1991	91-0124	TRUGREEN/CHEMLAWN	DRIVE SHAFT ON TRUCK BROKE CAUSING HOSE TO RUPTURE	40 GAL MIXTURE OF 18-0-3-6 (4.66% & PENDIMETHALIN (13.9% & 2#		ON NORTH STREET BETWEEN BRONSON & PAYNE AVENUES	
04/17/1991	91-0134	EVERGREEN LAWN CORP	HIGH PRESSURE HOSE FEEDING RODS POPPED OFF	5 GAL LAWN MIX OF 75 GAL 16-0-6; 025 # BALANCE OF DPC ESTER	WHITE BEAR LAKE	1254 S BIRCH LAKE BLVD, WHITE BEAR LAKE	
05/09/1991	91-0171	EVERGREEN LAWN CORP	HIGH PRESSURE HOSE SPRANG A LEAK	15 GAL TANK MIX OF 16-0-6 FERT/BALAN & RIVERDALE TRI ESTER	ARDEN HILLS	ASPHALT - 1453 ARDEN OAKS DR, ARDEN HILLS, MN	
05/21/1991	91-0452	WEEDCOPE INC	LINE FROM PUMP TO HOSE CAME LOOSE	4 GAL TANK MIX	ST PAUL	551 BARCE CHANNEL ROAD - GRIEF BROS PARKING AREA	
08/05/1991	91-0548	UNKNOWN	ALLEGED DUMPING OF PESTICIDES	UNKNOWN	ST PAUL	PARK VISTA APTS., 387 ARLINGTON AVE E, ST PAUL 55101	
08/19/1991	91-0791	POLLAND	ALLEGED DUMPING	INDUSTRIAL - INSTITUTIONAL INSECT KILLER	ST PAUL	38 WINNEPEG AVENUE, ST PAUL	
09/17/1990	91-0802	EVERGREEN LAWN CORP	SITE GAUGE HOSE CAME OFF OF APPLICATOR TRUCK	15-20 GAL LAWN MIX CONTAINING RIVERDALE TWISTER, 16-0-6 AND BALAN	ST PAUL	CURBED ASPHALT ROAD-1399 GALTIER DR., ST. PAUL	
10/24/1991	92-0024	TRUGREEN/CHEMLAWN	ALLEGED DRY SPREAD TIPPED OVER ON AN APPLICATOR TRUCK AND SPILLED PRODUCT.	APPROXIMATELY 15 LBS UREA	ST PAUL	INTERSECTION OF ARLINGTON & SHELDON IN ST PAUL	
05/18/1992	92-0130	GUARANTEED SPRAYING SERVICE INC	SPRAY GUN STUCK IN ON POSITION/ LITTLE IN STREET	100 GAL TANK MIX CONTAINING 4 C TRIMEC; 4- C PRE-M	ROSEVILLE	2471 MARION ST, ROSEVILLE; RESIDENTIAL STREET	
05/28/1992	92-0136	TRUGREEN/CHEMLAWN	VEHICLE SWERVED TO AVOID HITTING A CAR AND COLLIDED WITH A CONCRETE BALL AND THE HOSE AND PUMP RUPTURED.	~50 GAL TANK MIX CONTAINING PRE-M; TRI POWER; NITROGEN	ST. PAUL	310 N SMITH ST PAUL; ACROSS FROM CHILDRENS HOSPITAL	
06/04/1992	92-0141	FARMLAND INDUSTRIES INC	RR CARS BEING CLEANED OUT OVER RR TRACKS AND DRY FERTILIZER FORCED THROUGH MISSING PANELS IN THE FERTILIZER STORAGE BUILDING	VARIOUS DRY FERTILIZERS	ST. PAUL	RAILROAD TRACK & SURROUNDING FERT STORAGE BLDG	
06/21/1992	92-0188	METROPOLITAN MOSQUITO CONTROL DIST	CONTAINER FOUND IN STREET	EMPTY CONTAINER OF RESMETHRIN	ST PAUL	251 POINT DOUGLAS ROAD NORTH, ST PAUL	
06/21/1992	92-0204	TOWNHOME MAINTENANCE	OVERFILL OF APPLICATOR UNIT (LEFT	5-7 GAL TANK MIX CONTAINING SUPER	NEW BRIGHTON	403 8TH AVE NW, NEW BRIGHTON	

As a result of ongoing database programming, we are currently limited as to the kind of reports we can generate for our customers. This list may not meet all of your needs, but it is all we have available at this time.

Incidents Reported in
RAMSEY COUNTY
from 01/01/1977 to 08/26/2011

Location of Incident

Date Reported	Case File	Partyname	Incident Cause	Product Involved	Civil Division	Description	Township / Range / Section
			UNATTENDED)	TRIMEC			
07/13/1992	92-0225	PIRKLL	PINT JAR SLIPPED OUT OF HER HANDS ONTO CEMENT FLOOR.	<1 GAL CYCON 2E	ST. PAUL	CEMENT FLOOR - GARAGE LOCATED AT 1440 GRAND AVE. ST. PAUL	
07/10/1992	92-0244	LANDCARE USA	HOSE RUPTURED	~1-2 GAL TANK MIX CONTAINING THREEWAY AND CHASER	NORTH OAKS	ASPHALT ROAD AND BACK OF A VAN AT 20 FARMHILL CIRCLE IN NORTH OAKS	
05/29/1993	93-0157	METROPOLITAN MOSQUITO CONTROL DIST	BAG FELL OFF OF TRUCK - PASSING CAR HIT IT	40 LB BAG OF B.T.	ST. PAUL	194 UNDERNEATH 3RD STREET BRIDGE IN ST PAUL	
07/20/1993	93-0193	MIDLAND HILLS COUNTRY CLUB	LEAKY FILTER ON PUMP	3-5 GAL TANK MIX CONTAINING DACOMIL 2787WDG & 3336WP	ROSEVILLE	UNKNOWN	
04/29/1993	93-0204	TRUGREEN/CHEM LAWN	IMPROPER VALVE BIPASS	20 GAL DILUTE PESTICIDE/FERTILIZER	ST. PAUL	1140 ARGYLE STREET, ST. PAUL	
08/11/1993	93-0216	BUILDERS SQUARE	RAIN ALLEGEDLY WASHED BROKEN BAGGED FERT DOWN SS	SCOTT'S TURF BUILDER	MAPLEWOOD	BEHIND BUILDERS SQUARE STORE	
05/12/1993	93-0226	PREMIER SERVICES LLC	MATERIAL SPILLED ONTO BLACK TOP SURFACE	TANK MIX CONTAINING 2 OZ OF SURFLAN	ST. PAUL	2400 WYCLIFF ST, ST. PAUL	
08/16/1993	93-0269	BACHMANS INC	OVERFERTILIZATION OF POTTED POTS RESULTED IN LIQUID RUNOFF INTO DRAIN	UNKNOWN	WHITE BEAR LAKE	BEDDING PLANT SECTION DRAIN	
03/18/1991	94-0035	ANAMAX	DETECTED PER SOIL ANALYSIS AS A RESULT OF UNDERGROUND PETROLEUM STORAGE	DICHLOROBENZENE DETECTED AT 5.2 PPB	SO ST. PAUL	UNDERGROUND PETROLEUM	
10/30/1993	94-0058	DAIRY QUALITY CONTROL INSTITUTE	FIRE	BRANPOL MIKL RESIDUE IN VIAL	MOUNDS VIEW	DUMPSTER BEHIND DQCI	
06/12/1992	94-0071	B L MINC	ALLEGED DUMPING OF RINSATE.	SOLUTION OF 2.4-D	LITTLE CANADA	3100 SPRUCE ST NEAR GAS TANK. ASPHALT DRIVEWAY/PARKING LOT.	
06/20/1994	94-0410	CONWAY CENTRAL EXPRESS	ALLEGED LEAKING CONTAINERS	CONTAINERS IN TRUCK	ROSEVILLE	2560 LONA LAKE RD, ROSEVILLE, MN	
07/29/1994	94-0423	TRUGREEN/CHEM LAWN	PIPE FITTING BROKE ON TRUCK WHILE PARKED	TANK MIX OF ORTHENE, MORESTAN, BANNER & CLEARS 20 GALLONS	ST. PAUL	IN STREET IN FRONT OF RESIDENCE 1532 E. CONWAY	
07/15/1994	94-0695	BULK SERVICE CORP NORTH (BSCN)	CONTAINER DISCOVERED AS PART OF A SITE ASSESSMENT	FERTILIZERS & DDE	ST. PAUL		
11/22/1994	95-0177	PEAVEY REDROCK ELEVATOR	SPILLS FROM OFF LOAD PROCEDURES	VARIOUS DRY FERTILIZER PRODUCTS QUANTITY UNKNOWN	ST. PAUL	BARGE OFF LOAD AREA	
05/05/1995	95-0287	U OF M AG SERVICES	CLEANING OUT OF RINSEATE TANKS	500 GALLONS RINSEATE TO BE LAND APPLIED.	ST. PAUL	1866 DUDLEY AVE ST. PAUL	
05/05/1995	95-0300	FOREVER GREEN LAWN	OVERFILLING OF EQUIPMENT. NON TARGET APPLICATOR.	LAWN FERTILIZER & HERBICIDE	MAPLEWOOD	CRESTVIEW TOWNHOMES BETWEEN STERLING & O'DAY IN MAPLEWOOD	
06/06/1995	95-0441	EVERGREEN LAWN'S CORP	TANK SPLIT	TANK MIX OF BANNER AND DURABAN	WHITE BEAR LAKE	2567 ORCHARD LANE, WHITE BEAR LAKE	30N 22W
09/20/1995	95-0810	TOWNHOME MAINTENANCE CORP INC	ALLEGED DUMPING OF PESTICIDES AND PESTICIDE RINSEATES		NEW BRIGHTON	CATCH BASIN/SUMP AREA	
05/03/1996	96-0321	TRUGREEN/CHEM LAWN	VANDALISM - KIDS TURNED A VALVE	20 GAL TANK MIX OF WATER, 4.55 GALS OF 17-0-5, 390 ML PRE M & 380 ML OF TRIMEC	MAPLEWOOD	11010 BITTERSWEET ST & COON RAPIDS BLVD	
06/05/1996	96-0352	TRUGREEN/CHEM LAWN	HOSE BROKE	.4 GALLON 17-0-5 LIQUID FERTILIZER, 38ML	WOODBURY	3177 COURTNEY LANE, WOODBURY	

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Incidents Reported in
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Location of Incident

Date Reported	Case File	Partyname	Incident Cause	Product Involved	Civil Division	Description	Township / Range / Section
				TRIMEC & 1.6 GALLONS WATER			
10/11/1996	96-0823	CP RAIL	SEMI TRUCK FULL OF 1,000 LB BAGS TIPPED OFF FLAT BED.	NUMEROUS 1,000 TOTES	ST. PAUL	MAIN LINE AT CP RAIL, 1000 SHOP ROAD, ST. PAUL	
04/23/1997	96-1170	VERNO MAINTENANCE INC	OVER APPLICATION OF DRY FERT	DRY FERT	WHITE BEAR LAKE	3235 WHITE BEAR AVE. @ SUPERAMERICA PARKING AREA	
04/28/1997	96-1194	AMERICAN FREIGHTWAYS	UNKNOWN	WEED KILLER	ROSEVILLE	2323 TERMINAL RD	
05/20/1997	96-1273	CONWAY CENTRAL EXPRESS	TRAILER BUMPED DOCK AND CASES SLID OFF SKID.	CASES OF TRIFLURALIN	ROSEVILLE	AT DOCK OF CONWAY CENTRAL EXPRESS, WEST HWY 212, SACRED HEART	
05/28/1997	96-1409	TRUGREEN/CHEMLAWN	SMALL LEAK UNDER APPLICATOR VEHICLE	TRIMEC 959 AND 3-0.8 FERTILIZER	MAPLEWOOD	1784 E SHORE DRIVE, MAPLEWOOD	
10/31/1997	96-1721	BELL LUMBER & POLE CO		PENTA CHLORO PHENOL 400 GALLONS	NEW BRIGHTON	AT THE POLE TREATMENT PRESSURE VESSEL	
01/28/1998	CF-1926	BELL LUMBER & POLE CO	HIGH PRESSURE IN VESSEL CAUSED 1 LD TO BE FORCED THROUGH ROOF VENTS	300 GALLON MIX OF 12 GALLONS PCP AND 288 GALLONS #2 DIESEL	NEW BRIGHTON	ROOF, CONCRETE PAD AND YARD. S & E OF MAIN BLDG	
05/21/1998	CF-2357	UNKNOWN	TIPPED CONTAINER OF CHLORDANE	1/2 OZ OF CHLORDANE	ST PAUL	244 10TH ST, ST PAUL	
07/03/1998	CF-2703	INNOVATIVE FEEDS INC	ALLEGED DUMPING	ORGANIC FERTILIZER	SAINT PAUL	FACILITY, 809 BERRY STREET	
04/17/2000	CF-4244	TRUGREEN/CHEMLAWN	VALVE MISALIGNED ON APPLICATOR TRUCK	4-6 GALLON TANKMIX OF 17-0-5 LIQUID FERTILIZER & BARRICADE & WATER	VADNAIS HEIGHTS	FACILITY, 4240 CENTERVILLE RD, VADNAIS HEIGHTS	30N 22W 21
05/07/2001	CF-5521	SAINT PAUL CITY OF PARKS & FORESTRY	SPRAYER TIP OVER. SPRAYER WHEELS SANK INTO SOFT EARTH AND TIPPED.	20 GALLON TANKMIX CONTAINING 2 PINTS OF TRIPLET.	SAINT PAUL	PHALEN GOLF COURSE NEAR HWY 61	
04/20/2001	CF-5541	WELLINGTON MANAGEMENT INC	HISTORICAL	MCPP		SITE ASSESSMENT SOIL SAMPLES TAKEN THROUGH CONCRETE IN BUILDING AND ON PAD	
07/13/2001	CF-5861	GUNDERSON	WHILE SHINGLING STORAGE SHED, SHELVING IN SHED COLLAPSED SPILLING CONTAINERS TO CONCRETE FLOOR	PINT JAR OF MALATHION	SAINT PAUL	STORAGE SHED AT RESIDENCE. 1247 AVON ST NORTH, ST PAUL.	
09/20/2000	CF-6500	HUMBOLDT SENIOR HIGH SCHOOL.			SAINT PAUL	pool	
05/22/2002	CF-6829	TIERNEY	SHELF COLLAPSE IN GARAGE	MALATHION, OTHER PESTICIDES AND CAR CARE PRODUCTS	WHITE BEAR LAKE	GARAGE AT RESIDENCE	
10/24/2002	CF-7680	MANITOU RIDGE GOLF COURSE	VALVE WAS BUMPED OPEN TO THE HOSE REEL	24 OZS TANKMIX OF LESCO PCNB	WHITE BEAR LAKE	MAINTENANCE SHED, OUTSIDE.	
07/11/2003	CF-8312	COMSTOCK & SONS INC	MECHANICAL FAILURE	5 GALLONS TANKMIX OF 2-4-D	WHITE BEAR LAKE	STREET	
08/25/2003	CF-8408	QUALITY WOOD TREATING CO	HISTORICAL	CCA		FACILITY HANDLING AND STORAGE AREAS	
04/22/2004	CF-8969	TRUGREEN/CHEMLAWN	CAP CAME OFF STRAINER CUP AND PRODUCT SPILLED TO GUTTER	5 GALLON TANK MIX OF 17-0-5 AND TRIPLET WITH BARRICADE		ROAD STREET	
/ /	CF-9138	TRUGREEN/CHEMLAWN	ABANDONED SITE		SHOREVIEW		
03/30/2004	CF-9356	LEBENS FLOWERS	HISTORICAL				

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03/13/2005	CF-9843	UNION PACIFIC RAILROAD	HOPPER DOOR NOT SECURE ON RAIL CAR	3500 POUNDS OF AMMONIUM NITRATE		UPRR HOFFMAN RAIL YARD. OFFICE 2160 PIGS EYE LAKE RD.	
/ /	CF-10106	TRUGREEN/CHEM LAWN	ABANDONED SITE				
07/07/2006	CF-11023	SANDBERG	ALLEGED DUMPING OF A HERBICIDE MEANT TO KILL TREES. ONE LARGE SPRUCE DAMAGED/DEAD.	UNKNOWN.		2846 NORTH OXFORD. EAST PROPERTY LINE.	
07/06/2007	CF-11487	TRUGREEN/CHEM LAWN	ALLEGED TANK OR HOSE LEAK BEHIND APPLICATOR.	ALLEGEDLY LAWN CARE CHEMICALS.		CENTERVILLE ROAD BETWEEN LITTLE CANADA AND EDGERTON.	
01/30/2008	CF-11613	YMCA	FILTERS BECAME CLOGGED WITH DIRT. CHLORINE CONTINUED TO BE FED INTO THE SYSTEM BUT THE LACK OF RECIRCULATION OF WATER INTO THE POOL CAUSED SUPER SATURATED CHLORINATED WATER CONDITIONS.	GAS CHLORINE.	WHITE BEAR LAKE	2100 ORCHARD LANE, WHITE BEAR LAKE. SWIMMING POOL.	
01/30/2008	CF-11614	HARDING HIGH SCHOOL	CUSTODIAN WAS REMOVING LIQUID CHLORINE FROM A 225 GALLON TANK THAT HAD A LEAKING VALVE USING A 5 GALLON PAIL. VAPORS VENTED OFF CAUSING ILLNESS.	Azone (Liquid Chlorine)	ST PAUL	1540 6th Street E, Saint Paul, MN 55106. SWIMMING POOL AREA.	
12/27/1977	FY771028	TWIN CITY FREIGHT	INHALATION OF THIMET FUMES	THIMET 15 GALLONS, SPILLED	ROSEVILLE	AT LOADING DOCK	
03/21/1978	FY781042	TWIN CITY NURSERY	CONTAINERS FROZE & LEAKED	30 CASES OF 12 QUARTS OF 9% 2,4-D	WHITE BEAR LAKE	221 HIGHWAY 61; WHITE BEAR LAKE	
05/07/1978	FY781043	TWIN CITY HELICOPTERS INC	HELICOPTER CRASH	50 POUNDS OF DURSBAN	ST PAUL	SOUTH OF 694 BETWEEN LEXINGTON AND SNELLING	
04/30/1979	FY791035	METROPOLITAN MOSQUITO CONTROL DIST	HELICOPTER SPRAYING PEOPLE WITH DURSBAN	1% DURSBAN GRANULAR	MAPLEWOOD	GARRY FIRKUS MANSION	
05/13/1979	FY791036	COUNTRY CLUB MARKET	SMALL FIRE	8 CASES OF INSECTICIDE	ROSEVILLE	AT MARKET	
11/18/1980	FY801048	HANDKE GRAIN SERVICE	FIRE AT GRAIN ELEVATOR	NO REPORT OF PESTICIDES OR FERTILIZERS	ST PAUL	816 HAMPDEN AVENUE	
01/02/1981	FY811046	UNKNOWN	BARREL FROZEN IN ICE ON MISSISSIPPI RIVER	BARREL STATES MODIFIED WITH 001% TENNOX. T BHO	LILYDALE	6 FT SW BANK OF RIVER ACROSS FROM NSP	
08/20/1981	FY821043	PLUNKETT'S PEST CONTROL INC	CHILD ATE RAT POISON	TALON ANTICOAGULANT (RAT BAIT PELLETS)	ST PAUL		
08/20/1981	FY821045	PLUNKETT'S PEST CONTROL INC	CHILD ATE RODENT BAIT AT BABYSITTERS	RODENTICIDE PELLETS (HOUSE APPLICATION OF TALON)	ST PAUL		
10/15/1981	FY821051	AGP GRAIN	CHILD ATE RAT POISON	TALON	ST PAUL		
07/17/1981	FY821092	AMERICAN DORSOL	REPORT OF AMMONIA SMELL, FACILITY BLEEDING LINE	ANHYDROUS AMMONIA		COUNTY ROAD 2 & CLEVELAND, ROSEVILLE	
02/26/1982	FY821103	POOR RICHARDS	60 LBS. STRYCHNINE POWDER STORED AT FACILITY	60 LBS. OF STRYCHNINE	ST PAUL	400 WHITTALL DRIVE	
01/14/1982	FY821108	UNKNOWN	GERMAN SHEPHERD POISONING; FROM STRYCHNINE	STRYCHNINE	ST PAUL	629 NO ST., ST. PAUL	
07/10/1982	FY831001	TRUGREEN/CHEM LAWN	TRUCK WITH 1000 GALLON TANK SPUN	600 GALLONS 14-2-6 FERTILIZER		TENTH STREET EXIT FROM 3SE. SOUTHBOUND,	

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			AND OVERTURNED			ST PAUL	
07/13/1982	FY83002	LYSTADS	POWDER CARELESSLY DUMPED AROUND THE HOME	Z-P TRACKING POWDER	ST PAUL	163 WEST ISABEL ST PAUL, SYLVIA BELMARES HOUSE	
12/06/1982	FY83029	UNKNOWN	CONTAINER SPLASHED ONTO STREET	AVENGE - BUT LAB ANALYSIS DETECTED NONE		LExINGTON AVENU - OAKCREST LANE, ROSEVILLE, MN	
12/29/1982	FY83035	WESTWAY FEED PRODUCTS	TANK OVERFILL	20,000 GALLONS LINSEED OIL	ST PAUL	2175 CHILDS ROAD - ST. PAUL	
03/30/1983	FY83044	CENEX/LAND OLAKES	TRUCK ROLLOVER	65 GALLON DIESEL - BORATE FB-40		HIGHWAY 61, CO. RD. B - MAPLEWOOD, SOUTHBOUND	
01/30/1984	FY84024	PARSON	SPILLAGE OF POTASH	POTASH	ST PAUL	500 LINE RAILROAD AT LARPENTER	
08/29/1984	FY85020	3-M CO			ST. PAUL		
11/13/1984	FY85024	UNKNOWN	OUTSIDE OF CANDLE CASES CONTAMINATED WITH 2 4 D	2,4-D		ST PAUL	
05/05/1985	FY85055	UNKNOWN	CYLINDER FOUND LEAKING CHLORIN GAS	CHLORINE GAS		SHOREVIEW MALL	
08/06/1985	FY86015	UNKNOWN	LEAK OF OIL (ORIGINALLY REPORTED AS FUNGICIDE NOT)	30 CASES OF 1 GALLON CANS		RAILROAD	
05/03/1986	FY86038	GUARANTEED SPRAYING SERVICE INC	VEHICLE COLLIDED WITH UTILITY TRAILER	UREA 100 LBS., POTASH 100 LBS., BETASAN 4E 10 GALLONS	NEW BRIGHTON	1804 SILVER LAKE RD., NEW BRIGHTON, MN	
06/14/1986	FY86070	CHENOWETH FLORAL & GREENHOUSES	FIRE	BENLATE TRIBUAN TEMIK FERTILIZER RESMETHRIN SUBDUCE	NEW BRIGHTON	NEW BRIGHTON, AT FACILITY	
06/30/1987	FY87068	PROPERTY MAINTENANCE CO	SPRAYER OVERTURNED ON SIDE OF HILL	3 GALLONS OF BETAMEC & TRIMEC	ST. PAUL	325 E ROSELAWN; ST. PAUL	
06/14/1987	FY87084	U OF M BIOLOGY SCIENCE	300 X 50 BRICK BUILDING	TOXIC SOLVENTS	SAINT PAUL	OLD ROLLINGS STOREHOUSE 157-830	
07/31/1987	FY88011	METROPOLITAN MOSQUITO CONTROL DIST	FLOOD	6-7 GAL BTI VETOBAC		ST. PAUL	
08/21/1987	FY88013	3-M CHEMOLITE PLANT	TANK VALVE MALFUNCTION	500 GAL FERROUS SULFATE	COTTAGE GROVE	COTTAGE GROVE	
09/11/1987	FY88017	TRUGREEN/CHEMILAWN	SPILL/OVERFLOW OF A TANK	17-21-2.5 FERTILIZER, 358 GALLONS		MAPLEWOOD	
11/29/1988	FY89029	C P RAIL	TRAIN DERAILMENT	3 TRAIN CARS UREA, 1 TRAIN CAR DAP		KR TRACKS, HWY 13, MENDOTA	
12/21/1988	FY89036	3-M CO	PIPE BROKE	10% PYRETHRIN IN KEROSENE	NEW BRIGHTON	NEW BRIGHTON (3M PLANT)	
01/26/1989	FY89041	3-M CO	SEAM ON A BARREL BROKE	10 GAL WATER PHASE IN SECTROL FORMULATION	NEW BRIGHTON	NEW BRIGHTON (3M PLANT)	
02/09/1989	FY89046	PEAVEY REDROCK ELEVATOR	FIRE	WAREHOUSE FULL OF PHOSPHATE SUPPLEMENTS FOR FEED	ST PAUL	RED ROCK ELEVATOR, ST. PAUL	
05/01/1989	FY89076	SAINT CATHERINE COLLEGE OF	TANK WAS OPEN, HAND APPLICATOR LEAKED	~ 10 OZ ROUNDUP IN 1 GAL H2O	ST PAUL	2004 RANDOLPH AVENUE, ST. PAUL	
04/20/1989	FY89120	ROSEVILLE CITY OF	BAG SPILLED ON STREET	34 BAG PRE-EMERGENCE FERTILIZER		1800- 1900 BLOCK CHATSWORTH ST., ROSEVILLE	
05/23/1989	FY89129	COMO GOLF	POSSIBLE PEST RELEASE	YELLOWISH DISCHARGE IN STORMWATER RETENTION POND	ST PAUL	COMO PARK GOLF CRSE, ST. PAUL	
06/14/1989	FY89158	TRUGREEN/CHEMILAWN	VALVE LEFT OPEN, TANK OVERFLOWED	30 GAL FERTILIZER/PEST ICIDE SOLUTION	WHITE BEAR	ON 5TH & DILLON STREET, WBL	

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LAKE							
06/21/1989	FY89162	TRUGREEN/CHEMLAWN	TANK OVERFLOWED	2 GAL LAWN MIX	ST PAUL	ASPHALT ROAD - 934 SUMMIT AVENUE, ST. PAUL	
06/30/1989	FY89178	3-M CO		1# PYRETHRIN	ST PAUL	ST. PAUL	
01/01/1989	FY89067	BELL LUMBER & POLE CO	HISTORICAL- INVESTIGATION STARTED WHEN MPC A RECEIVED A PETITION FROM THE RESIDENTS OF THE CITY OF NEW BRIGHTON.				
07/24/1989	FY90017	MILSOLV MINNESOTA CORP	TRUCK HIT BRAKES, ONE BARREL TIPPED OVER	BARDAC 205M	ROSEVILLE	ROSEVILLE (INSIDE TRUCK)	
08/18/1989	FY90027	INDUSTRIAL FUMIGANT CO	HUNDREDS OF BAGS FOUND OUTSIDE OF BUILDING	BAGS (MOSTLY EMPTY) OF FUMIGANT FOUND	ST PAUL	550 FRONT ST. ST. PAUL	
08/18/1989	FY90037	BELL LUMBER & POLE CO	SPILL - OVERFLOW OF TREATING TANK	75 GAL 2.3% GLAZED PENTA (PENTACHLOROPHENOL)	NEW BRIGHTON	ON/AROUND CONCRETE PAD ON SITE, RAMSEY CO	
03/27/1990	FY90089	EVERGREEN LAWNS CORP	SWIVEL POPPED OFF OF HOSE	2-3 GAL TANK MIX: 16-0-6 BALAN, DPC ESTER	EAGAN	1740 CRESTRIDGE LANE, EAGAN 55122	
04/12/1990	FY90098	TRUGREEN/CHEMLAWN	SPILL	LIQUID FERTILIZER 18-0-3.6 TANK MIX		PARKING LOT - JCT HAMLINE & EDGE CUMBE ROAD, ST. PAUL	
05/30/1990	FY90165	SCOTLAND YARD	VALVE NOT TURNED OFF	THREE WAY HERBICIDE	ST PAUL	1937 DORTHEA AV, ST PAUL - PAVEMENT	
06/18/1990	FY90185	EVERGREEN LAWNS CORP	CRACK IN 1" BALL VALVE	LIQUID FERT & TRIMEC 899	ST PAUL	1275 KRUSE STREET - ST. PAUL - PARKING LOT	

Case File #	Case File Name	Invest. Loc. ID	Location Descr.	County	Contaminant	Contact Name	Contact Phone	Invest. Type	Invest. Status	Date Closed	Contingency	MERLA	Coordinate Type	Old Invest. Loc. ID
CF-11613	YMCA	17832	White Bear Lake 2100 Orchard Lane	Ramsey	Swimming Pool	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	7/2/2008	No	No	Photo Digitization	17832
CF-7095	TRANSPORTATION MN DEPT OF	13340	Saint Paul POINT NEAR SOUND WALL	Ramsey	Wood Preservative	MDA Data Practices Records Mng	(651) 201-6698	Voluntary	Closed	3/29/2007	No	No	PLS 4 Quarters	13340
CF-11614	HARDING HIGH SCHOOL	17831	Saint Paul 1540 6TH Street,	Ramsey	Swimming Pool	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	7/2/2008	No	No	Photo Digitization	17831
CF-7095	TRANSPORTATION MN DEPT OF	13341	Saint Paul POINT NEAR SOUND WALL	Ramsey	Wood Preservative	MDA Data Practices Records Mng	(651) 201-6698	Voluntary	Closed	3/29/2007	No	No	PLS 4 Quarters	13341
CF-11023	DENNIS SANDBERG	17418	Roseville 2846 North Oxford	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	8/16/2006	No	No	Photo Digitization	17418
CF-9843	UNION PACIFIC RAILROAD	16011	Saint Paul	Ramsey	Fertilizer	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	8/2/2005	No	No	Photo Digitization	16011
CF-8969	TRUGREEN/CHEMLAWN	15322	Saint Paul	Ramsey	Pesticides & Fertilizer	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	5/28/2004	No	No	Photo Digitization	15322
PLK101000476	TRUGREEN CHEMLAWN	1.81E+11	Saint Paul	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	11/17/2008	No	No	Photo Digitization	1.81E+11
GCH101000915	TRU GREEN	80101000288	Saint Paul	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	8/13/2009	No	No	Photo Digitization	---
PLK101000980	WALMART	1.81E+11	Vadnais Heights	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	8/14/2009	No	No	Photo Digitization	---
PLK101012708	MMCD	1.81E+11	Arden Hills	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	9/28/2009	No	No	Photo Digitization	---
PLK101013646	MN STATE PLANT MANAGEMENT	1.81E+11	Saint Paul	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	11/6/2009	No	No	Photo Digitization	---
PLK101034206	TRUGREEN CHEMLAWN	1.81E+11	Vadnais Heights	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	8/3/2010	No	No	Photo Digitization	---
PLK101041595	TRUGREEN LAWN CARE	1.81E+11	Vadnais Heights	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	8/9/2011	No	No	Photo Digitization	---
PLK101048496	TRUGREEN CHEMLAWN	1.81E+11	Roseville	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	9/2/2011	No	No	Photo Digitization	---
PLK101048775	TRUGREEN	1.81E+11	New Brighton	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	9/8/2011	No	No	Photo Digitization	---
PLK101050742	TRUGREEN CHEMLAWN	1.81E+11	Maplewood	Ramsey	Pesticides & Fertilizer	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	9/27/2012	No	No	Photo Digitization	---
PLK101051322	PRAIRIE RESTORATIONS	1.81E+11	Vadnais Heights	Ramsey	Pesticides	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	12/13/2012	No	No	Photo Digitization	---
PLK101051647	MISSION FOODS	1.81E+11	New Brighton	Ramsey	Pesticides	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	3/14/2013	No	No	Photo Digitization	---
PLK101052323	SCOTTS HELICOPTER/MMCD	1.81E+11	Maplewood	Ramsey	Pesticides	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	12/30/2013	No	No	Photo Digitization	---
PLK101052459	GREENSKEEPERS	1.81E+11	Saint Paul	Ramsey	Pesticides & Fertilizer	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	1/6/2014	No	No	Photo Digitization	---
PLK101053502	SAINT PAUL ATHLETIC CLUB	1.81E+11	Saint Paul	Ramsey	Swimming Pool	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	4/16/2014	No	No	Photo Digitization	---
PLK101056712	HAWKINS WATER TREATMENT	1.81E+11	Saint Paul	Ramsey	Pesticides	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	7/2/2015	No	No	Photo Digitization	---
PLK101058116	WESTWAY FEED PRODUCTS	1.81E+11	Saint Paul	Ramsey	None	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	9/18/2014	No	No	Photo Digitization	---
PLK101058644	DART STORAGE	1.81E+11	Saint Paul	Ramsey	None	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	12/12/2014	No	No	Photo Digitization	---
PLK101062585	HAWKINS WATER TREATMENT	1.81E+11	Saint Paul	Ramsey	Other	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	7/20/2015	No	No	Photo Digitization	---
PLK101065582	RAMSEY WASHINGTON METRO WATERSHED	1.81E+11	Little Canada	Ramsey	Pesticides	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	11/10/2015	No	No	Photo Digitization	---
PLK101070857	UNKNOWN	1.81E+11	Little Canada	Ramsey	Fertilizer	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	8/26/2016	No	No	Photo Digitization	---
PLK101072428	HAWKINS	1.81E+11	Saint Paul	Ramsey	Pesticides	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	12/8/2016	No	No	Photo Digitization	---
PLK101078000	UNION PACIFIC RAILROAD	1.81E+11	Saint Paul	Ramsey	Fertilizer	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	7/20/2017	No	No	Photo Digitization	---
GCH101080497	ALTER RIVER TERMINAL	80101012155	Saint Paul near river	Ramsey	Fertilizer	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	10/30/2018	No	No	Photo Digitization	---
PLK101085194	SPLASH PRODUCTS	1.81E+11	Saint Paul	Ramsey	Swimming Pool	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	9/20/2018	No	No	Photo Digitization	---
PLK101087296	PRESCRIPTION LANDSCAPE	1.81E+11	Saint Paul	Ramsey	Unknown	MDA Data Practices Records Mng	(651) 201-6698	Emergency	Closed	9/24/2018	No	No	Photo Digitization	---

Attachment F

MDA's AgWIMN Search Results

MDA's What's In My Neighborhood search results: Former Hillcrest Golf Course	
Total cases: 1	
Data Source	Incident Investigations
Case File #	JAL101091523
Case File Name	FORMER HILLCREST GOLF COURSE
Invest. Loc. ID	4.47101E+11
Loc. Descr.	AB- Saint Paul
County	Ramsey
Contaminant	Pesticides & Fertilizer
Contact Name	Josh Leable
Contact Phone	(651) 201-6632
Invest. Type	Voluntary
Invest. Status	Active
Date Closed	N/A
Contingency	No
MERLA	No
Old Invest. Loc. ID	N/A

Image taken from MDA's What's In My Neighborhood web application.




Attachment G

MDA Records for Case File # JAL101091523



Minnesota Department of Agriculture
Pesticide and Fertilizer Management Division
625 Robert Street North, St. Paul, MN 55155-2538
Telephone: 651-201-6121 Fax: 651-201-6117

NOTICE OF INSPECTION

Folder # JAL101091523		Insp # JAL101048167		Unit Doc ID # JAL-101177864	
Facility Name: HILLCREST GOLF CLUB OF SAINT PAUL		Unit Loc ID 339101003307		Telephone No. (Include Area Code) (651) 777-5186	
				County: RAMSEY	
Actual Inspection Location: 2200 EAST LARPEUR AVE		City: SAINT PAUL		State: MN	
				Zip Code: 55109	
Name of Inspector: Josh Leable		Signature of Inspector: 			Date: 06/10/2019
<p>REASON FOR INSPECTION IS TO DETERMINE COMPLIANCE WITH:</p> <ul style="list-style-type: none">• Minnesota Pesticide Control Law, Minnesota Statutes Chapter 18 B; Chemical Liability Law, Minnesota Statutes Chapter 18D; and Agency Rules promulgated thereunder. Authority for entry, inspection, and sampling is found in Minnesota Statutes Section 18D.201.• Minnesota Fertilizer, Soil Amendment and Plant Amendment Law, Minnesota Statutes Chapter 18C; Chemical Liability Law, Minnesota Statutes Chapter 18D; and Agency Rules promulgated thereunder. Authority for entry, inspection, and sampling is found in Minnesota Statutes Section 18D.201. <p>Minnesota Department of Agriculture (MDA) inspectors may enter any site during/after business hours and are not required to sign site access agreements as a condition of inspection. Refusal to allow entry onto any site is a violation of MS 18D.201 Access and Entry and may subject your firm to enforcement action by the Minnesota Department of Agriculture.</p> <p>This inspection is a follow-up to another conducted on:</p> <p>VIOLATIONS SUSPECTED AND/OR COMMENTS: Incident Incident - AgVIC - Comp AgVic</p> <p>Any violation documented during this initial inspection or a re-inspection may result in the issuance of an enforcement Action even if the violation is corrected. An enforcement Action may include a financial penalty. The MDA may conduct a re-inspection at any time to determine compliance.</p>					

Notice of Inspection or Investigation Information

A regulatory inspection or investigation is being conducted by the Minnesota Department of Agriculture (MDA). The inspector will show you his/her credentials at the start of the inspection. The specific reason for the inspection or investigation is described on the MDA's official NOTICE of INSPECTION.

If this inspection or investigation is the result of a complaint to the MDA, under certain circumstances, a complainant's identity may be protected under State of Minnesota Law. The MDA cannot guarantee that a complainant's identity will be confidential under all circumstances.

If you are a complainant, please be advised that state law requires that you put your complaint in writing. You should be prepared to provide the following information to the MDA:

- date and time of the damage or injury
- how the damage or injury occurred
- what was damaged or injured
- the location where the damage or injury occurred
- if known, the identity of the person/firm you allege is responsible
- the agricultural chemical involved, if known.

If you do not have a MDA complaint form, the inspector will provide you with one.

If you believe that you, your animal or your pet have been injured by an agricultural chemical, you are advised to seek immediate medical or veterinary attention if you are concerned about the affects of the exposure. The MDA will request a copy of your medical/veterinary record as part of its investigation. If your physician or veterinarian desires additional information about the chemicals possibly involved, please direct them to contact MDA's Greg Cremers, Supervisor, at (320) 223-6601.

Complainants are also advised that inspections/investigations may be stopped in the field by the inspector for a lack of evidence.

If this is a routine inspection, a copy of the inspection findings will also be left with you or mailed to you within a few days by the inspector. A STATEMENT OF COMPLETION, an ORDER TO COMPLY, a CEASE & DESIST ORDER or other ORDER, or a NOTICE OF VIOLATION will also be left with for any violations that have been documented. You also may receive an additional STATEMENT OF COMPLETION, ORDER TO COMPLY, CEASE & DESIST ORDER or other ORDER at a later time upon review by MDA St. Paul staff.

Full compliance with a STATEMENT OF COMPLETION, an ORDER TO COMPLY, a CEASE AND DESIST ORDER or other ORDER, is required. DO NOT DELAY complying with any of these directives. If you do not comply with a directive, you may be subject to additional enforcement action.

Compliance with a STATEMENT OF COMPLETION, an ORDER TO COMPLY, a CEASE AND DESIST ORDER or other ORDER does not mean that enforcement action will not be brought for violations documented.

Under state and federal law, this inspection must be allowed to occur. Interviews may be requested and conducted. Access to state or federally regulated products, persons with knowledge of agricultural chemical use, storage, handling, distribution, and to state or federal required records must be allowed. Photographs and copies of documents may be taken or obtained by the inspector. Portions of certain records (including information about individuals) are protected under state law.

Information that you may have may be essential to determine regulatory compliance status. You are not required to answer questions asked by our inspector. You are not required to admit to any violation; however, if the MDA is unable to conduct an inspection or an investigation due to a refusal to allow the inspection, or a refusal to allow access to the persons or information detailed above, MDA may issue an ADMINISTRATIVE SUBPOENA to compel such inspection to occur and or to obtain such information. Investigation data is not public and will be protected until such time as the department determines that (1) no additional action is necessary, (2) an enforcement action is taken and closed or, (3) an investigation becomes inactive. Not public information is available only to those whose access is authorized by law, department employees whose job reasonably requires access, or by court order.

Please be advised that a person must not knowingly make or offer a false statement, record, or other information as part of an inspection or investigation. Providing false information to the MDA may result in a separate enforcement response.

MDA inspection or investigation activities, and subsequent review of evidence gathered, may require up to eight months or more to complete before a violation is determined or an enforcement response is taken by the MDA. MDA's St. Paul office determines any enforcement action to be issued.

If an enforcement action is issued, and you want to discuss it with the MDA, please contact only the MDA person issuing the action. This person has sole authority to discuss enforcement matters with you.

If you are a complainant, you will be notified in writing of any action the MDA takes against a responsible party.

Please contact the MDA's Data Management Unit to obtain copies of documents that are part of this inspection/investigation at (651) 201-6698.

For more information or if you have questions about the MDA's inspection/investigation process, inquire with the MDA inspector or call Greg Cremers, Supervisor at (320) 223-6601.

Minnesota Department of Agriculture
Pesticide and Fertilizer Management Division
Incident Response Unit

TECHNICAL REVIEW

Site Name and City: Former Hillcrest Golf Course, St. Paul
Case File No.: JAL101091523
Consultant: Braun Intertec Corporation (Braun)
Project Manager: Josh Leable
Technical Review Staff: Stuart Orlowski

Report Title and Date: Phase I Ag Environmental Site Assessment
June 10, 2019

Date of Review: July 1, 2019

<u>Report Type</u>	<u>Action</u>
<input type="checkbox"/> Work Plan (1) (2)	<input type="checkbox"/> Approval
<input type="checkbox"/> RI/CAP (1) (2)	<input type="checkbox"/> Approval w/comments
<input type="checkbox"/> Site Work/Pre-Construction	<input checked="" type="checkbox"/> Recommendations
<input type="checkbox"/> Land Application	<input type="checkbox"/> Rejection
<input type="checkbox"/> Closure Review/ROD	<input type="checkbox"/> Close
<input checked="" type="checkbox"/> Other	<input type="checkbox"/> No Response Needed

Minnesota Department of Agriculture (MDA) Incident Response Unit staff has reviewed Braun's June 10, 2019, *Phase I Ag Environmental Site Assessment (Report)* for the Former Hillcrest Golf Course Facility in St. Paul, Ramsey County. After review of the Report, MDA staff has the following comments:

The MDA recommends the following changes to the Report:

- For future reports, please provide a zoomed-in aerial of the agricultural chemical handling area in the southeast section of the site, and label high risk areas for contamination from agricultural chemicals.
- Two agricultural chemical inspections occurred at the facility – CDP101026451 and CDP101026597. CDP101026451 indicated that a mix load pad drains to the drainage area and was used for washing and filling of pesticide equipment. CDP101026597 indicated that aquatic pesticide applications were taking place at the facility. The MDA recommends that these two files are requested and reviewed by Braun.
- Please provide copies of the Phase II's conducted in 2011 and 2019.
- Please provide a copy of the County Spill Report.
- Buried material in the berm on the eastern boundary of the site should be investigated to determine potential contamination there.
- Please ask the former operator of the site what types of agricultural chemicals were handled and stored on-site. Please provide available records of applied chemicals and storage. Also please provide information about historic or

- persistent chemical used at the golf site, for example DDT, organochlorines, arsenic or mercury based fumigants. If this information is not available, more laboratory analyses will be necessary to determine which fumigants and pesticides were applied.
- Excavated soils contaminated with mercury or other agricultural chemicals should be stockpiled separately from soil excavated for geotechnical or grading purposes before being disposed of onsite or offsite.
 - Please indicate what constitutes the piles of material in the attached photograph. Soil? Fertilizer? Sand?
 - Unsealed wells onsite, which are not intended for future use, should be located and sealed.
 - Please complete the AgESA checklist, as seen in Guidance Document 14.

Comments Not Needed in Response

- Based on available inspections and photographs of site activity, the following agricultural chemicals were stored onsite:
 - o Raider Plus
 - o Retain Pro
 - o Teremec SP, Turf Fungicide
 - o Chlopyrifos mix
 - o Hydrothol Granular (aquatic algicide and herbicide)
 - o EC Grow Award Turf Fertilizer (bags)
 - o Gro-Power (bags)
 - o Fertilome Fungicide (propiconazole)
 - o Endothall
- It appears that mixing and loading occurs on the ramped pad seen in the attached photograph.

Attachment H

Table 1 – Chemical Inventory

Table 2 – Chemical Inventory - Active Ingredient list

Table 3 – Pesticide Usage - 2007

Table 4 - Pesticide Usage - 2008

Table 5 - Pesticide Usage - 2014

Table 1 Former Hillcrest Golf Course Chemical Inventory St. Paul, Minnesota B1903316					
Product Name	Manufacturer	EPA Product ID	Use (Pesticide/Fertilizer/Plant Nutrient/etc.)	Active Ingredient(s), (CAS)	High Risk Areas*
FP 747	Floratine	NA	Spray Adjuvant	Phosphoric Acid (7664-38-2/231-633-2)	1/2
				Surfactants (Proprietary)	1/2
Power 12-0-12	Floratine	NA	Fertilizer	Potassium Thiosulfate (10294-66-3)	1/2
				Methylene Urea (Proprietary)	1/2
P48	Floratine	NA	Fertilizer	Ammonium Phosphate (Proprietary)	1/2
				Potassium Nitrate (7757-79-1)	1/2
				Urea (57-13-6)	1/2
Knife Plus	Floratine	NA	Plant Nutrient	Iron Compound (7720-78-7)	1/2
				Urea (57-13-6)	1/2
				Manganese Compound (7785-87-7)	1/2
				Zinc Compound (7733-02-0)	1/2
				Copper Salt (7758-98-7)	1/2
				Sodium Molybdate (7631-95-0)	1/2
ProteSyn	Floratine	NA	Plant Nutrient	Phosphate Compound (Proprietary)	1/2
				Urea (57-13-6)	1/2
				Caustic Extracted Collagen (1310-58-3)	1/2
Per 4	Floratine	NA	Plant Nutrient	Urea (57-13-6)	1/2
				Iron Compound (7720-78-7)	1/2
				Manganese Compound (7785-87-7)	1/2
				Magnesium Salt (7487-88-9)	1/2
Primo Maxx	Syngenta	100-937	Pesticide	Trinexapac-ethyl (95266-40-3)	1/2
Astron	Floratine	NA	Fertilizer	Calcium Salt (Proprietary)	1/2
				Magnesium Salt (Proprietary)	1/2
				Iron Compound (Proprietary)	1/2
				Boric Acid (10043-35-3)	1/2
				Copper Salt (Proprietary)	1/2
				Zinc Compound (Proprietary)	1/2
Perk Up	Floratine	NA	Plant Nutrient	Calcium Salt (Propreitary)	1/2
PK Fight	Floratine	NA	Fertilizer	Potassium Phosphite (7320-34-5)	1/2
Pervade	Floratine	NA	Wetting Agent	Di-sulfosuccinate Surfactants (Proprietary)	1/2
Florodox Pro	Floratine	NA	Plant Nutrient	Urea (57-13-6)	1/2
				Potassium Phosphate (Proprietary)	1/2
Trimmit	Syngenta	100-1014	Pesticide	Propylene Glycol (57-55-6)	1/2
				Paclobutrazol (76738-62-0)	1/2
Defense-Man	Floratine	NA	Fertilizer	Manganese Compound (7785-87-7)	1/2
				Magnesium Salt (7487-88-9)	1/2
				Citric Acid (77-92-9)	1/2
TriCal 35-SP	Floratine	NA	Plant Nutrient	Calcium Carbonate (471-34-1)	1/2
				Humic Acid (Mixture)	1/2
28-0-10 Professional Turf Formula	Fertimix	NA	Fertilizer	Unknown, no longer manufactured	1/2
19-2-19	Unlisted	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
6-2-10	Unlisted	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
23-0-10	Unlisted	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
13-0-46	Unlisted	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
8-4-16	Unlisted	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
30-0-10	Unlisted	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
20-0-20	Unlisted	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
28-0-10	Unlisted	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
28-0-10 fps (fused potassium silicate)	Unlisted	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
NA	Fertimix Professional Turf Formula	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
28-0-10	Origination inc	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
18-3-18	Lesco	NA	Fertilizer	Urea (57-13-6)	1/2
				Sulfuric acid (7778-80-5)	1/2
				Diammonium phosphate (7783-28-0)	1/2
				Potassium chloride (7447-40-7)	1/2
				Monoammonium phosphate (7722-76-1)	1/2
				Ammonium sulfate (7783-20-2)	1/2
				Limestone (1317-65-3)	1/2
				Sulfur (7704-34-9)	1/2
				Iron oxide (1309-37-1)	1/2
				Urea, polymer with formaldehyde (9011-05-6)	1/2
				Magnesium sulfate (7487-88-9)	1/2
				Ferrous sulfate (7720-78-7)	1/2
				Manganese oxide (1317-35-7)	1/2
				Sulfate of Potash-magnesia (14977-37-8)	1/2
				propane-1,2-diol (57-55-6)	1/2
				Mineral Oil, includes paraffin oil (8012-95-1)	1/2
Civitas-Harmonizer	PetroCanada	NA	Fertilizer	Chlorothalonil (1897-45-6)	1/2
Civitas	PetroCanada	69526-13	Pesticide	Propylene glycol (57-55-6)	1/2
Echo 720	Sipcam Agro	60063-7	Fungicide	Aluminum tris (O-ethyl phosphonate)	1/2
Signature	Bayer	432-890-10404	Pesticide	Iprodione (36734-19-7)	1/2
Interface	Bayer	432-1505	Fungicide	Trifloxystrobin (141517-21-7)	1/2
Heritage	Syngenta	100-1093	Fungicide	Azoxystrobin (131860-33-8)	1/2
Acelepryn	Dupont	352-731	Pesticide	Chloraniliprole (500008-45-7)	1/2
Prostar	Aventis	432-1223	Fungicide	Flutolanil (66332-96-5)	1/2
Concert II	Syngenta	100-1347	Fungicide	Chlorothalonil (1897-45-6)	1/2
				Propiconazole (60207-90-1)	1/2
47-0-0	Umaxx	NA	Fertilizer	Urea (57-13-6)	1/2
				Dicyandiamide (461-58-5)	1/2
Reserve	Bayer	432-1486	Fungicide	Triticonazole (131983-72-7)	1/2
				Chlorothalonil (1897-45-6)	1/2
Instrata	Syngenta	100-1231	Fungicide	Chlorothalonil (1897-45-6)	1/2
				Propiconazole (60207-90-1)	1/2
Sterling Blue	Agrisolutions	7969-137-1381	Herbicide	Diglycolamine salt (104040-79-1)	1/2
Cutless	SePRO	67690-15	Turf Growth Regulator	Flurprimidol (56425-91-3)	1/2
Groom PGR	ADVAN	83070-4	Turf Growth Regulator	Trinexapac-ethyl (95266-40-3)	1/2
Banol	Bayer	432-942	Fungicide	Propamocarb hydrochloride (25606-41-1)	1/2
Emerald	BASF	7969-196	Fungicide	boscalid (188425-85-6)	1/2
FE 8%	Novozymes Biologicals	NA	Fertilizer	Phosphate	1/2
				Potash	1/2
				Iron	1/2
Comcert	Syngenta	100-1192	Pesticide	Chlorothalonil (1897-45-6)	1/2
				Propiconazole (60207-90-1)	1/2
Magnum	Nutrigrow	NA	Fertilizer	Nitrogen	1/2
				Phosphate	1/2
				Potash	1/2
Spectator	Lesco	228-623-10404	Fungicide	Propiconazole (60207-90-1)	1/2
Triton 70WDG	Bayer	432-4877	Fungicide	Triticonazole (131983-72-7)	1/2
TouchDown	Syngenta	100-1169	Herbicide	Potassium salt of glyphosate (1071-83-6)	1/2
Imprelis	Dupont	352-793	Herbicide	Aminocyclopyrachlor potassium salt (858956-35-1)	1/2
Three-Way	Lesco	10404-43	Herbicide	Dicamba (1918-00-9)	1/2
				MCPP-P DMA salt (66423-09-4)	1/2
				Dimethylamine salt (2008-39-1)	1/2
Quinstar	Albaugh	42750-90	Herbicide	Quinclorac (84087-01-4)	1/2
Lescoflo Ultra	Lesco	NA	wetting agent	non-ionic surfactants	1/2
Spreader Sticker	Lesco	NA	spray adjuvant	alkylarylpolyoxyethylene glycols	1/2
				alkyl fatty acids	1/2
Multi-K 13-0-46	Haifa	NA	Fertilizer	Potash	1/2
				Potassium	1/2
Eon 75	Floratine	NA	Fertilizer	Humic Acid (Mixture)	1/2
				Potassium sulfate (7778-80-5)	1/2
				Methylene Urea (Proprietary)	1/2
Contec DG 18-9-18	Andersons Plant Nutrient Group	NA	Fertilizer	Monoammonium phosphate (7722-76-1)	1/2
				Ammonium sulfate (7783-20-2)	1/2
				Urea (57-13-6)	1/2
Quad K 0-0-45	Floratine	NA	Fertilizer	Potassium sulfate (7778-80-5)	1/2
				Portassium Nitrate (7757-79-1)	1/2
				Potassium Citrate (866-84-2)	1/2
Turgot 0-0-5	Floratine	NA	Fertilizer	Potassium Thiosulfate (10294-66-3)	1/2
				Potassium Silicate (1312-76-1)	1/2
Natural Origins 12-1-12	Natural Origins	NA	Fertilizer	nitrogen (N), phosphorus (P) and potassium (K)	1/2
Reinders 25-0-10	Reinders	NA	Fertilizer	Urea (57-13-6)	1/2
				Potassium chloride (7447-40-7)	1/2
Summer Stress Master 0-0-31	Quest	NA	Fertilizer	Soluble Potash	1/2
				Urea (57-13-6)	1/2
EZ Grow dimension 15-0-0	Award	NA	Fertilizer	Dithiopyr (97886-45-8)	1/2
				Potassium chloride (7447-40-7)	1/2
				Dolomitic Limestone (16389-88-1)	1/2
Tartan	Bayer	432-1446	Fungicide	Triadimefon (43121-43-3)	1/2
				Trifloxystrobin (141517-21-7)	1/2
Headway	Syngenta	100-1216	Fungicide	Axoxystrobin (131860-33-8)	1/2
				Propiconazole (60207-90-1)	1/2
Clearscape	Sipcam	69361-27-60063	Fungicide	Tebuconazole (107534-96-3)	1/2

Table 1
Former Hillcrest Golf Course
Chemical Inventory
St. Paul, Minnesota
B1903316

Product Name	Manufacturer	EPA Product ID	Use (Pesticide/Fertilizer/Plant Nutrient/etc.)	Active Ingredient(s), (CAS)	High Risk Areas*
Daconil Action	Syngenta	100-1364	Fungicide	Chlorothalonil (1897-45-6)	1/2
Dithane 75df	Rainshield	62719-402	Fungicide	Acibenzolar-s-methyl (135158-54-2)	1/2
Renown	Syngenta	100-1315	Fungicide	Mancozeb (8018-01-7)	1/2
Bayleton Flo	Bayer	432-1445	Fungicide	Azoxystrobin (131860-33-8)	1/2
Merit 75 WSP	Bayer	432-1318	Insecticide	Chlorothalonil (1897-45-6)	1/2
Orius 3.6F	Quali-Pro	66222-17	Fungicide	Triadimefon (43121-43-3)	1/2
Triton Flo	Bayer	432-1487	Fungicide	Imidacloprid (138621-41-3)	1/2
Surge	PBI-Gordon Corp	2217-867	Herbicide	Tebuconazole (107534-96-3)	1/2
3-D	Quali-Pro	66222-225	Herbicide	Triticonazole (131983-72-7)	1/2
One Time	BASF	7969-267	Herbicide	Dicamba (1918-00-9)	1/2
Surf-King Plus	Winfield Solutions	NA	Surfactant	MCPP-P DMA salt (66423-09-4)	1/2
Fore 80WP	Dow	62719-388	Fungicide	sulfentrazone (122836-35-5)	1/2
Turf food 28-0-10	Forever Green	NA	Fertilizer	2,4-Dichlorophenoxyacetic acid (94-75-7)	1/2
26GT	Bayer	432-888	Fungicide	Dicamba (1918-00-9)	1/2
Cascade Plus	Precision	NA	wetting agent	Mecoprop-dimethylammonium (322351-70-5)	1/2
Renaissance	Floratine	NA	Plant Nutrient	2, 4-D, dimethylamine salt (2008-39-1)	1/2
Surezone	Armortech	2217-823-86064	Herbicide	Dicamba (1918-00-9)	1/2
Clipper	Valent	59639-161	Herbicide	mecoprop-P (16484-77-8)	1/2
T Zone	pbi-gordon	2217-920	Herbicide	Quinclorac (84087-01-4)	1/2
Droplex	WinField	NA	Drift Control Agent	Glycol butyl ether (11-76-2)	1/2
Banner Maxx 2	Syngenta	100-1326	Fungicide	Alkylarylpolyethoxyethanol	1/2
Fathom 14.3 MEC	Prokoz	72112-3	Pesticide	Phosphoric Acid (7664-38-2/231-633-2)	1/2
Novex 19-2-19	Lesco	NA	Fertilizer	Oleic acid (112-80-1)	1/2
Shortkut w/polyon	Simplex	NA	Fertilizer	Mancozeb (8018-01-7)	1/2
Novex 18-2-18	Lesco	NA	Fertilizer	Urea (57-13-6)	1/2
Medallion	Syngenta	100-1448	Fungicide	Potassium chloride (7447-40-7)	1/2
18 Plus	Lesco	432-888-10404	Fungicide	Dolomitic Limestone (16389-88-1)	1/2
scimitar	Syngenta	100-1088	Insecticide	Iron oxide (1309-37-1)	1/2
Chipco fungicide	Chipco	432-889	Fungicide	Iprodione (36734-19-7)	1/2
Sevin brand insecticide	sevin	432-1227	Insecticide	Polymeric surfactants (mixture)	1/2
Trinity	Specimen	7969-257	Fungicide	Iron compound (7720-78-7)	1/2
Magellan	Riverdale	228-387	Fungicide	Zinc Compound (7733-02-0)	1/2
Mefenoxam 2 AQ	Control Solutions Inc.	66222-216	Pesticide	Manganese Compound (7785-87-7)	1/2
Calphlex	Floratine	NA	Soil Nutrient	Magnesium Salt (7487-88-9)	1/2
PhlexMag	Floratine	NA	Soil Nutrient	Soldum Molybdate (7631-95-0)	1/2
Dursban insecticide	Dow AgroSciences	62719-293	Pesticide	2,4-D, dimethylamine Salt (2008-39-1)	1/2
Meridian 25WG	Syngenta	100-943	Insecticide	MCPP-p Dimethylamine Salt (66423-09-4)	1/2
26/36 Fungicide	Nufarm	228-630	Fungicide	Dimethylamine salt (2008-39-1)	1/2
Revere 4000	Lesco	400-454-10404	Fungicide	sulfentrazone (122836-35-5)	1/2
Proscape 20-0-10	Lebanon	NA	Fertilizer	Flumioxazin (103361-09-7)	1/2
Mirage Stressgard	Bayer	432-1529	Fungicide	Kaolin Clay (1332-58-7)	1/2
Signature Xtra Stressgard	Bayer	432-1541	Fungicide	Ammonium sulfate (7783-20-2)	1/2
Xzemplar	BASF	7969-349	Fungicide	Potassium sulfate (7778-80-5)	1/2
Daconil Weather Stik Fungicide	Syngenta	50534-209-100	Fungicide	Monoammonium phosphate (7722-76-1)	1/2
Teremec SP Turf Fungicide	Gordons	2217-692	Fungicide	Urea (57-13-6)	1/2
Banvel Dicamba DMA 4# AG	Arysta Lifescience North America, LLC	66330-276	Herbicide	Ammonium sulfate (7783-20-2)	1/2
Quali-Pro Bifenthrin Golf and Nursery 7.9F	Control Solutions Inc.	66222-192	Insecticide	Potassium sulfate (7778-80-5)	1/2
Quali-Pro Propiconazole 14.3	Control Solutions Inc.	53883-363	Fungicide	Monoammonium phosphate (7722-76-1)	1/2
Surflan A.S.	Southern Agricultural Insecticides, Inc.	62719-113-829	Herbicide	Urea (57-13-6)	1/2
Chlorpyrifos Epro 2	Etigra	79676-10	Insecticide	Sulfuric acid (7778-80-5)	1/2
Duplex	Precision laboratories	NA	Soil Surfactant	Diammonium phosphate (7783-28-0)	1/2
Trekker Trax	Loveland Products	NA	Application Foam	Monoammonium phosphate (7722-76-1)	1/2
Unfoamer	Loveland Products	NA	Defoaming Agent	Urea (57-13-6)	1/2
TriCure AD	Aqua-Dynamics	NA	wetting agent	Ammonium sulfate (7783-20-2)	1/2
Turf Screen	Turf Max	NA	Turfgrass protectant	Potassium sulfate (7778-80-5)	1/2
Summer aid with UMAXX 25-0-25	Simplot	NA	Fertilizer	Methylene Urea (Proprietary)	1/2
Par Ex	Par Ex	55709614	Fertilizer	Potassium sulfate (7778-80-5)	1/2
Hydrothol Granular	UPI	70506-174	Aquatic Herbicide	ammonium nitrate (6484-52-2)	1/2

Notes:
CAS = Chemical Abstracts Service
NA= Not Available
* High Risk Areas are as follows:
1 = Agricultural chemical storage buildings loading areas
2 = Damaged floors in the agricultural chemical storage buildings (3 buildings)

Table 2
Former Hillcrest Golf Course
Chemical Inventory - Active Ingredient list
St. Paul, Minnesota
B1903316

Active Ingredient List
2, 4-D, dimethylamine salt (2008-39-1)
2,4-D, 2-ethylhexyl ester (1928-43-4)
2,4-Dichlorophenoxyacetic acid (94-75-7)
2-Propanol (67-63-0)
Acibenzolar-s-methyl (135158-54-2)
Alkyl aryl Sulfonate (Proprietary)
alkyl fatty acids
Alkylarylpolyethoxyethanol
alkylarylpolyoxyethylene glycols
Aluminum tris (O-ethyl phosphonate)
Aminocyclopyrachlor potassium salt (858956-35-1)
ammonium nitrate (6484-52-2)
Ammonium Phosphate (Proprietary)
Ammonium sulfate (7783-20-2)
Anionic/nonionic detergent blend (proprietary)
Axoxystrobin (131860-33-8)
Benzenesulfonic acid, dodecyl-, calcium salt (26264-06-2)
Bifenthrin (82657-04-3)
Boric Acid (10043-35-3)
boscalid (188425-85-6)
Calcium Carbonate (471-34-1)
Calcium Salt (Propreitary)
Carbaryl (63-25-2)
Carboxylic Acid Neutralized (Proprietary)
Caustic Extracted Collagen (1310-58-3)
Chloraniliprole (500008-45-7)
Chlorothalonil (1897-45-6)
Chlorpyrifos (2921-88-2)
Citric Acid (77-92-9)
Copper Salt (7758-98-7)
Copper Salt (Proprietary)
Crystalline Silica (14808-60-7)
Diammonium phosphate (7783-28-0)
Dicamba (1918-00-9)
Dicyandiamide (461-58-5)
Diglycolamine salt (104040-79-1)
Dihydrooxirane ephihydrin (Proprietary)
Dimethylamine salt (2008-39-1)
Dimethylpolysiloxane blend (proprietary)
Di-sulfosuccinate Surfactants (Proprietary)
Dithiopyr (97886-45-8)
Dolomitic Limestone (16389-88-1)
edta iron(iii) sodium salt (15708-41-5)
Ethanol (64-17-5)
Ferrous sulfate (7720-78-7)
Fludioxonil (131341-86-1)
Flumioxazin (103361-09-7)
Flurprimidol (56425-91-3)
Flutolanil (66332-96-5)
Fluxapyroxad (907204-31-3)
Fosetyl-Al (39148-24-8)
Glycerin (000056-18-5)
Glycol butyl ether (11-76-2)
Humic Acid (Mixture)
Imidacloprid (138621-41-3)
Iprodione (36734-19-7)
Iron
Iron Compound (7720-78-7)
Iron Compound (Proprietary)
Iron oxide (1309-37-1)
Kaolin Clay (1332-58-7)
lambda-Cyhalothrin (91465-08-6)
Limestone (1317-65-3)
Magnesium Salt (7487-88-9)
Magnesium Salt (Proprietary)
Magnesium sulfate (7487-88-9)
Mancozeb (8018-01-7)
Mancozeb (8018-01-7)
Manganese Compound (7785-87-7)
Manganese oxide (1317-35-7)
MCPP-p Dimethylamine Salt (66423-09-4)
MCPP-P DMA salt (66423-09-4)
Mecoprop-dimethylammonium (322351-70-5)

Table 2
Former Hillcrest Golf Course
Chemical Inventory - Active Ingredient list
St. Paul, Minnesota
B1903316

Active Ingredient List
mecoprop-P (16484-77-8)
metazyl-M mefenoxam (70630-17-0)
Methylated Silicone (Mixture)
Methylene Urea (Proprietary)
Mineral Oil, includes paraffin oil (8012-95-1)
Mono(N,N-dimethylalkylamine)salt of endothall (66330-88-9)
Monoammonium phosphate (7722-76-1)
nitrogen (N), phosphorus (P) and potassium (K)
n-Butanol (71-36-3)
Nitrogen
nitrogen (N), phosphorus (P) and potassium (K)
non-ionic surfactants
Oleic acid (112-80-1)
Oryzalin (019044-88-3)
Paclobutrazol (76738-62-0)
Pentachloronitrobenzene (82-68-8)
Phosphate
Phosphate Compound (Proprietary)
Phosphoric Acid (7664-38-2/231-633-2)
Phosphorous acid (mixture)
Polymeric surfactants (mixture)
Polypropylene Glycol (25322-69-4)
Portassium Nitrate (7757-79-1)
Potash
Potassium
Potassium chloride (7447-40-7)
Potassium Citrate (866-84-2)
Potassium Nitrate (7757-79-1)
Potassium Phosphate (Proprietary)
Potassium Phosphite (7320-34-5)
Potassium salt of glyphosate (1071-83-6)
Potassium Silicate (1312-76-1)
Potassium sulfate (7778-80-5)
Potassium Thiosulfate (10294-66-3)
Primary Alcohol Ethoxylate Surfactant (Proprietary)
Propamocarb hydrochloride (25606-41-1)
propane-1,2-diol (57-55-6)
Propanol, 2-methyl- (78-83-1)
Propiconazole (60207-90-1)
Propionic Acid (7085-19-0)
Propylene Clycol (57-55-6)
Propylene glycol (57-55-6)
Quinclorac (84087-01-4)
Sodium Borate (12008-41-2)
Sodium Molybdate (7631-95-0)
Soluble Potash
Sulfate of Potash-magnesia (14977-37-8)
sulfentrazone (122836-35-5)
Sulfur (7704-34-9)
Sulfuric acid (7778-80-5)
Surfactants (Proprietary)
Tebuconazole (107534-96-3)
Thiamethoxam (153719-23-4)
Thiophanate-methyl (23564-05-8)
Titanium Dioxide (1317-80-2)
Triadimefon (43121-43-3)
Triclopyr, butoxyethyl ester (64700-56-7)
Trifloxystrobin (141517-21-7)
Trinexapac-ethyl (95266-40-3)
Triticonazole (131983-72-7)
Urea (57-13-6)
Urea, polymer with formaldehyde (9011-05-6)
Zinc Compound (7733-02-0)
Zinc Compound (Proprietary)
Zinc Oxide (1314-13-2)

Table 3
Former Hillcrest Golf Course
Pesticide Usage - 2007
 St. Paul, Minnesota
 B1903316

Product Name	Greens	
	Application Rate	Annual Total Usage
	Rate/1000 sqft	Ounces
Instrata	6.95	973
Signature	17.14	2399.6
18plus	13.14	1839.6
heritage	3.27	457.8
Scimitar	0.21	29.4
Daconil	23.49	3288.6
Banner	1.92	268.8
Medallion	0.5	70
Chipco	4	560

Product Name	Tees	
	Application Rate	Annual Total Usage
	Rate/1000 sqft	Ounces
sevin	3.2	256
tartan	1.6	128
banner maxx	1	80
daconil	12.195	975.6
banol	1.48	118.4
heritage	1.22	97.6
headway	3	240
prostar	6	480

Product Name	Fairways	
	Application Rate	Annual Total Usage
	Rate/1000 sqft	Ounces
trinity	2.36	2261.6352
banner maxx	2.2	2108.304
tartan	1.6	1533.312
instrata	10.4	9966.528
daconil	9.18	8797.3776
magellan	4	3833.28
banol	1.5	1437.48
dmefenoxam	1.28	1226.6496

2007 Pesticide Totals	
Chemical	2007 Cumulative totals (Ounces)
instrata	10,939.53
signature	2,399.60
18plus	1,839.60
daconil	13,061.58
heritage	555.40
scimitar	29.40
banner	2,457.10
medallion	70.00
chipco	560.00
sevin	256.00
tartan	1,661.31
headway	240.00
prostar	480.00
trinity	2,261.64
magellan	3,833.28
banol	1,555.88
mefenoxam	1,226.65

Table 4
Former Hillcrest Golf Course
Pesticide Usage - 2008
 St. Paul, Minnesota
 B1903316

Product Name	Greens	
	Application Rate	Annual Total Usage
	Rate/1000 sqft	Ounces
concert	11.27	1577.8
26 gt	12	1680
daconil	18.4	2576
signature	21.22	2970.8
heritage	2	280
instrata	13.5	1890
chipco	4	560
dursban	1.5	210

Product Name	Tees	
	Application Rate	Annual Total Usage
	Rate/1000 sqft	Ounces
sterling	0.09	7.2
meridian	0.4	32
26/36	2	160
banol	2	160
daconil	7	560
concert	4.5	360
emerald	0.18	14.4
revere 4000	8	640
chipco	4	320

Product Name	Fairways	
	Application Rate	Annual Total Usage
	Rate/1000 sqft	Ounces
meridian	0.4	383.328
sterling	0.09	86.2488
26/36	2	1916.64
concert	9	8624.88
emerald	0.18	172.4976
revere 4000	8	7666.56
daconil	3	2874.96

2008 Pesticide Totals	
Product Name	2008 Cumulative totals (Ounces)
concert	10562.68
26 gt	1680
daconil	6010.96
signature	2970.8
heritage	280
instrata	1890
chipco	880
dursban	210
sterling	93.4488
meridian	415.328
26/36	2076.64
banol	160
emerald	186.8976
revere 4000	8306.56

Table 5
Former Hillcrest Golf Course
Pesticide Usage - 2014
 St. Paul, Minnesota
 B1903316

Product Name	Greens	
	Application Rate	Annual Total Usage
	Rate/1000 sqft	Ounces
tartan	5.71	947.86
signature	20.94	3476.04
primo	0.72	119.52
interface	3.84	637.44
daconil	3.47	576.02
headway	1.54	255.64
fore 80wp	10.63	1764.58
instrata	13.54	2247.64
droplex	0.38	63.08
concert II	0.78	129.48

Product Name	Tees	
	Application Rate	Annual Total Usage
	Rate/1000 sqft	Ounces
3-d	1.3	117
bayleton flo	1.2	108
concert II	4	360
interface	3.91	351.9
umaxx	3.76	338.4
sterling blue	0.18	16.2
fathom 14.3	1	90
droplex	10.41	936.9
tartan	0.2	18

Product Name	Fairways	
	Application Rate	Annual Total Usage
	Rate/1000 sqft	Ounces
bayleton flo	1.2	1149.984
interface	15.61	14959.3752
daconil	13.12	12573.1584
merit 75 wsp	0.34	325.8288
trimmit 2sc	0.1	95.832
banner maxx	0.6	574.992
umaxx	7.52	7206.5664
fathom 14.3	2	1916.64
droplex	1.14	1092.4848
26gt	7.99	7656.9768
sterling blue	0.07	67.0824
tartan	4	3833.28

20014 Pesticide Totals	
Product Name	2014 Cumulative totals (Ounces)
signature	3476.04
primo	119.52
interface	15948.7152
daconil	13149.1784
headway	255.64
fore 80wp	1764.58
instrata	2247.64
droplex	2092.4648
concert II	489.48
bayleton flo	1257.984
merit 75wsp	325.8288
trimmit 2sc	95.832
banner maxx	574.992
umaxx	7544.9664
fathom 14.3	2006.64
26gt	7656.9768
sterling blue	83.2824
3-d	117