

MINNESOTA POLLUTION CONTROL AGENCY  
*Remediation Division*  
*Site Remediation and Redevelopment Section*

*Request for Approval of Site Listings and Delisting on the State Superfund Permanent List of Priorities*

*April 22, 2020*

ISSUE STATEMENT

The Minnesota Environmental Response and Liability Act (MERLA), Minn. Stat. §115B.17, subd. 13 and Minn. R. pt. 7044 requires the Minnesota Pollution Control Agency (MPCA) to establish a Permanent List of Priorities (PLP) among releases or threatened releases of hazardous substances, pollutants, or contaminants. The MPCA staff is proposing to modify the PLP by removing three sites (two partial) and adding four sites. This proposed update of the PLP was published in the January 27, 2020 State Register for public comment. Two comment letters were received during the 30 day comment period. MPCA staff recommends that the MPCA Commissioner approve the update to the PLP.

**BACKGROUND:** Pursuant to Minn. Stat. §115B.17, subd. 13 and Minn. R. pt. 7044, the MPCA shall update the PLP with sites with releases or threatened releases of hazardous substances or pollutants or contaminants in Minnesota. The MPCA staff is now proposing to modify the PLP. The Findings of Fact, Conclusion of Law, and Order supporting the modifications to the PLP is found as Attachment 1. This update of the PLP, with releases or threatened releases of hazardous substances, pollutants, or contaminants, was published in the January 27, 2020 State Register for the purpose of soliciting public comment (See Attachment 2). This proposed PLP update was available for public comment for 30 days, from January 27, 2020 to February 26, 2020.

In addition to the State Register publication, notices were mailed to approximately 100 affected parties and persons who may have an interest in one or more of the proposed changes to the PLP as listed in the proposed April 2020 Update of the PLP. A news release regarding this proposed PLP update was also sent out by the MPCA's Public Information Office (See Attachment 2).

## DISCUSSION:

### A. Proposed Modifications to the PLP

The MPCA recommends adding four sites and deleting three sites (two partial) from the PLP. Together, these proposed changes would result in a total of 95 sites listed on the PLP.

### B. Additions to the PLP

The four sites proposed for addition to the PLP were ranked using the Hazard Ranking System (HRS) method as required by Minn. R. pt. 7044.0350. By rule, the HRS is based on the revised HRS scoring system adopted by the U.S. Environmental Protection Agency, as published in the Federal Register on December 14, 1990. The sites proposed for addition and their assigned scores, as published in the January 27, 2020 State Register, are as follows:

1. 214-220 Ramsey Street, 220 Ramsey Street, Hastings MN (24.07)
2. Gold Eagle Cleaners – Richfield, 1537 East 66<sup>th</sup> Street, Richfield MN (50.05)
3. Gold Eagle Cleaners – Roseville, 1231-1237 Larpenteur Avenue West, Roseville MN (50.01)
4. Minnetonka Boulevard and Raleigh Avenue South, 5101 Minnetonka Boulevard, St. Louis Park MN (51.32)

Site listing memos for these four sites are included in Attachment 3. The Commissioner of the Minnesota Department of Agriculture (MDA) did not propose the listing or delisting of any MDA site to or from the PLP for this update.

### C) Deletions from the PLP

The MPCA staff proposed the deletion of three sites from the PLP:

1. Brainerd Foundry, Brainerd MN
2. Naval Industrial Reserve Ordinance Plant (NIROP; partial delist), Fridley MN
3. Twin Cities Army Ammunition Plant (TCAAP; partial delist), Arden Hills, MN

These sites meet the criteria for deletion as specified under Minn. R. 7044.0950, subp. 1.

The rules specify that to delete a site, either all response actions required at a site have been completed, or that the site no longer poses a threat to public health or welfare or the environment. MPCA staff have determined that all appropriate MERLA response actions have been completed at this site and the site does not pose a threat to public health or welfare or the environment from the release or a threatened release of a hazardous substance, or pollutant or contaminant. Because of these conditions, no further MERLA-funded response actions will be necessary at these sites and deletion of these site from the Minnesota Superfund PLP is appropriate pursuant to Minn. R. 7044.0950.

The delisting memos for the three Sites are included in Attachment 4.

D) Public Comments

The proposed PLP update was available for public comment from January 27, 2020 through February 26, 2020 and the MPCA received two comments regarding changes to the PLP (See Attachment 1, Appendix A).

Joseph Maternowski submitted a comment on behalf of Uptown West Apartments for the Minnetonka Boulevard and Raleigh Avenue South, St. Louis Park MN. Mr. Maternowski expressed no objections to listing the site on the PLP but made a statement regarding Uptown West Apartments past participation in remediation efforts at the site. The MPCA issued Mr. Maternowski a response letter on March 13, 2020 (See Attachment 1, Appendix B).

Tom Harmening submitted a comment on behalf of the City of St. Louis Park for the Minnetonka Boulevard and Raleigh Avenue South, St. Louis Park. Mr. Harmening agreed with the MPCA's decision to list the Minnetonka Boulevard and Raleigh Avenue South site; however he requested the MPCA to update the website containing site information. The MPCA issued Mr. Harmening a response letter on March 13, 2020 (See Attachment 1, Appendix B).

**CONCLUSIONS:**

The proposed update to the PLP was published in the State Register on January 27, 2020, for the purpose of soliciting public comment. Two comments were received and the MPCA responded to both commenters. The comments did not result in changes to the proposed site additions or deletions.

For the reasons provided above, the four additions and three deletions from the PLP are appropriate under the applicable statutes and rules. The updated list more accurately reflects the current status of the Minnesota State Superfund sites.

MPCA staff therefore recommends that the Commissioner adopt the proposed site additions as shown in Attachment 3 and the proposed site deletions as shown in Attachment 4. Attachment 5 lists the Final April 2020 Update of the PLP list alphabetically.

The PLP will be updated as information regarding releases of hazardous substances at the additional sites becomes available and as cleanup actions are accomplished.

**RECOMMENDATION:**

MPCA staff recommends that the Commissioner adopt the following staff resolution.

**BE IT RESOLVED**, that the MPCA makes the following determinations:

1. The proposed update of the PLP among releases of threatened releases of hazardous substances of pollutants or contaminants was published in the State Register on January 27, 2020 and was available for comment for 30 days; and
2. Two comment letters were received by the MPCA staff during the public comment period concerning the proposed changes to the PLP, as published in the January 27, 2020 State Register; and
3. The comments received did not result in changes to the proposed additions to and deletions from the PLP.

**BE IT FURTHER RESOLVED**, that based on these determinations and for the reasons set forth in the attached memorandums, the MPCA hereby adopts the addition of four MPCA proposed sites, as shown

in Attachment 2, to the PLP and one delisting and two partial delistings, as shown in Attachment 3, to the PLP. The Commissioner is authorized to execute the Update of the PLP on behalf of the MPCA.

**BE IT FURTHER RESOLVED**, that in approving the Update of the PLP, the MPCA adopts the factual determinations and reasons set forth in the attached memorandum(s).

**STATE OF MINNESOTA  
MINNESOTA POLLUTION CONTROL AGENCY**

**IN THE MATTER OF THE DECISION TO UPDATE THE  
MINNESOTA PERMANENT LIST OF PRIORITIES**

**FINDINGS OF FACT  
CONCLUSIONS OF LAW  
AND ORDER**

**FINDINGS OF FACT**

Pursuant to Minn. R. 7044.0600, the Commissioner of the Minnesota Pollution Control Agency (“MPCA”) has scored eligible sites having releases or threatened releases of hazardous substances or pollutants or contaminants and proposes to update the State of Minnesota’s permanent list of priorities (PLP) by adding four sites and deleting three sites.

**General Background**

1. MPCA staff recommended updating the PLP with the addition of four sites to the PLP. The sites proposed for listing in the update of the PLP were published in the State Register on January 27, 2020. MPCA staff have documented that the sites have releases or threatened releases of hazardous substances, pollutants, or contaminants.
2. MPCA staff ranked the four sites proposed for addition to the PLP using the Hazard Ranking System (HRS) method as required by Minn. R. 7044.0350. The sites proposed for addition and their assigned scores, as published in the January 27, 2020, State Register, are:
  - A. 214-220 Ramsey Street, 220 Ramsey Street, Hastings MN (24.07)
  - B. Gold Eagle Cleaners – Richfield, 1537 East 66<sup>th</sup> Street, Richfield MN (50.05)
  - C. Gold Eagle Cleaners – Roseville, 1231-1237 Larpenteur Avenue West, Roseville MN (50.01)
  - D. Minnetonka Boulevard and Raleigh Avenue South, 5101 Minnetonka Boulevard, St. Louis Park MN (51.32)
3. The Commissioner of the Minnesota Department of Agriculture (MDA) did not propose adding or deleting any MDA Sites to the PLP during this update:
4. The MPCA staff proposed deletion of three sites from the PLP: Brainerd Foundry, Brainerd MN; Naval Industrial Reserve Ordinance Plant (NIROP; partial delist), Fridley MN; and Twin Cities Army Ammunition Plant (TCAAP, partial delist), Aden Hills MN. These sites meet the criteria for deletion as specified under Minn. R. 7044.0950, subp. 1.

To delete a site, all response actions required at a site must be completed or a determination must be made that the site no longer poses a threat to public health or welfare or the environment due to the release or threatened release of a hazardous substance, a pollutant or contaminant, or an agricultural chemical. The MPCA staff determined that all appropriate response actions have been completed at the following sites: the Brainerd Foundry; NIROP Operable Unit (OU) 3; and TCAAP OU2. These sites do not pose a threat to public health or welfare or the environment from the release or a threatened release of a hazardous substance, or pollutant or contaminant.

No further MERLA-funded response actions will be necessary at these sites and deletion of these sites from the Superfund Permanent List of Priorities is appropriate pursuant to Minn. R. 7044.0950.

### **Procedural History**

5. The proposed April 2020 Update of the PLP was published in the January 27, 2020, State Register for the purpose of soliciting public comment and in accordance with Minn. R. 7044.0600.
6. In addition to the State Register publication, the MPCA mailed notices to approximately 100 affected parties and persons who may have an interest in one or more of the proposed changes to the PLP as listed in the proposed April 2020 Update of the PLP. In addition, the MPCA issued a news release regarding the proposed PLP update on January 27, 2020.
7. The public comment period for the proposed update began on January 27, 2020, and ended on February 26, 2020. During the 30-day public comment period, the MPCA received two comments regarding changes to the PLP. Joseph Maternowski submitted a comment on behalf of the Uptown West Apartments in St. Louis Park, MN on the Minnetonka Boulevard and Raleigh Avenue South Site. Mr. Maternowski did not object to the listing but made a statement about Uptown West Apartments participation in remediation efforts at the Site and related matters. The MPCA issued Mr. Maternowski and Uptown West Apartments a response letter on March 13, 2020. The City of St. Louis Park's (City) Manager, Tom Harmening, submitted a comment on the Minnetonka Boulevard and Raleigh Avenue South Site. Mr. Harmening and the City support the listing but request the MPCA provide updated maps and information. The MPCA issued Mr. Harmening and the City of St. Louis Park a response letter on March 13, 2020.
8. The two comment letters are hereby incorporated by reference as Appendix A to the Findings of Fact, Conclusions of Law, and Order. The MPCA response to the comments received is hereby incorporated by reference as Appendix B to the Findings of Fact, Conclusions of Law, and Order.

### **CONCLUSIONS OF LAW**

9. Pursuant to Minn. Stat. 115B.17, the MPCA is authorized to take any removal action or remedial action which the MPCA deems necessary to protect the public health, welfare or the environment whenever there is a release, or threat of release, from a facility of a hazardous substance, pollutant or contaminant which presents an imminent or substantial danger to the public health, welfare, or the environment.

10. Where the hazardous substance or pollutant or contaminant is an agricultural chemical, as defined in Minn. Stat. 18D.01, subd. 3, the Commissioner of the Department of Agriculture is authorized under Minn. Stat. ch. 115B to take any removal or remedial action deemed necessary with regard to such releases or threatened releases.
11. The Minnesota Environmental Response and Liability Act (MERLA), Minn. Stat. §115B.17, subd. 13 and Minn. R. 7044 require the MPCA to establish a Permanent List of Priorities (PLP) among releases or threatened releases of hazardous substances, pollutants, or contaminants, and to update the list at least annually.
12. The proposed additions to the PLP are properly scored and classified as required by Minn. R. 7044 for funding prioritization on the PLP.
13. The proposed deletion from the PLP met the criteria in Minn. R. 7044.0950 for deletion from the PLP.
14. The proposed four site additions to and three deletions from the PLP satisfies the MPCA's obligation to annually update the PLP in Minn. R. 7044.0600.
15. Any Findings of Fact that might properly be termed Conclusions of Law and any Conclusions of Law that might properly be termed Findings of Fact are hereby adopted as such.

### ORDER

The Permanent List of Priorities is hereby updated to include the four additions to and three deletions from Minnesota's Permanent List of Priorities. MPCA Staff shall publish the updated PLP in the State Register and shall notify all interested persons of the updates.

### IT IS SO ORDERED



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Commissioner Laura Bishop  
Minnesota Pollution Control Agency

\_\_\_\_ April 29, 2020 \_\_\_\_\_  
Date



Attachment 1: Findings of Fact, Conclusion of Law, and  
Order

Attachment 1, Appendix A: Public Comments Received  
for April 2020 Update to PLP

Attachment 1, Appendix B: MPCA Responses to Public  
Comments Received for April 2020 Update to PLP

Joseph G. Maternowski  
(612) 746-5754  
jmaternowski@hessianmckasy.com

**VIA EMAIL AND U.S. MAIL**

February 14, 2020

Eric Pederson  
Site Remediation and Redevelopment Section  
Remediation Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, MN 55155-4194

Re: **Public Comment – Uptown West Apartments**  
Proposed Update of the State Superfund Priority List  
Minnetonka Boulevard and Raleigh Avenue South Site

Dear Mr. Pederson:

We submit the following public comment on behalf of our client Uptown West Apartments, which is the current owner of property that is part of the Minnetonka Boulevard and Raleigh Avenue South Site (the Site) in St. Louis Park, Minnesota. Uptown West understands that Minnesota Pollution Control Agency (MPCA) staff has recommended referring the Site to the Minnesota Permanent List of Priorities (PLP). Uptown West does not object to the addition of the Site on the PLP but wishes to make some statements regarding its past participation in the remediation efforts at the Site and related matters.

Since Uptown West learned of the perchloroethylene (PCE) contamination issues on its property, it has endeavored to ensure the safety of its tenants and comply with the MPCA's directives. In this regard, Uptown West notified the residents of three of its buildings of potential vapor intrusion issues and installed vapor mitigation systems in those buildings. Recently Uptown West notified residents of other affected buildings of potential vapor intrusion concerns. Uptown West remains committed to fulfilling its obligations to protect its tenants in the future and working with the MPCA or others to facilitate future work that may be required.

Uptown West has learned that under the Minnesota Environmental Response and Liability Act (MERLA) the previous owner of the Site, Helen Brooks, is in fact a party who is legally responsible for the PCE contamination at the Site. From approximately 1981 until 1998, Helen Brooks leased property to several dry-cleaning businesses that used and released PCE on the Site. Specifically, Ms. Brooks was aware of spills and releases of PCE from her tenant Waldorf Nevens' dry cleaning operations. After a pump inside the building broke, PCE was released through a pipe from the building directly onto the ground immediately upgradient and within 40 feet of the Uptown West's property and 100 feet away from an Uptown West apartment building.

Eric Pederson  
February 14, 2020  
Page 2

Hennepin County inspectors also observed spills of dry-cleaning chemicals containing PCE on the floor within the building. The Hennepin County inspectors noted multiple cracks in the floor of the building which could serve as a conduit for the release of PCE to soils and groundwater beneath the building. Past inspections conducted by Hennepin County noted multiple hazardous violations. Finally, Ms. Brooks conducted an audit of the Waldorf Nevens operations where all of these issues including the documented PCE releases were disclosed. Ms. Brooks was also aware of criminal sanctions that were imposed on her tenant and which arose from her tenant's knowing mismanagement of hazardous waste, namely PCE.

In 1997, Helen Brooks enrolled her property in the MPCA's Voluntary Investigation and Cleanup (VIC) Program in connection with a planned redevelopment and sale of the property. Ms. Brooks applied for and received substantial reimbursement for the investigation and remediation costs associated with a partial cleanup of the Site from the Minnesota Dry Cleaner Fund. Soils impacted with PCE were removed from her property. Ms. Brooks was also aware at the time that PCE had impacted groundwater beneath her property and that PCE may affect neighboring properties, but she failed to take any steps to address this documented contamination. The MPCA approved the remediation of PCE impacted soils associated with the redevelopment of the Site and issued a Limited No Action Determination for Soil. However, the MPCA's liability assurance specifically did not release Ms. Brooks from her future and ongoing responsibility to address PCE impacts in groundwater.

Subsequently the MPCA determined that Helen Brooks, a Responsible Party under MERLA, failed to undertake the voluntary investigation and remediation of the Site as requested by the MPCA. (See enclosed MPCA correspondence to Ms. Brooks dated September 13, 2018, January 10, 2019 and March 26, 2019.)

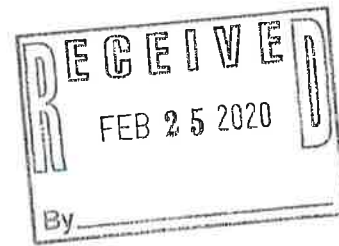
Uptown West has never used or generated PCE on its property. The MPCA has documented that the source of the soil vapors on Uptown West's property is the PCE that was released on Ms. Brooks' immediately adjacent property. Ms. Brooks remains eligible to apply for and receive additional funds for the Dry Cleaner Fund to pay for the investigation and cleanup that has been conducted at the Site and that will be required in the future. Thus far, Helen Brooks has failed to voluntarily conduct or contribute to further investigation and or cleanup efforts at the Site.

Sincerely,



Joseph G. Maternowski  
JGM/jlr

cc: Uptown West Apartments  
Enclosures



Feb. 21, 2020

Eric Pederson  
Site Remediation and Redevelopment Section  
Remediation Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, MN 55155-4194

RE: Public Comment on Superfund Listing of site 51.32 – Minnetonka Blvd. and Raleigh Ave So.

The City of St Louis Park is submitting the following comments for public record and consideration by the Minnesota Pollution Control Agency (MPCA) for the 5101 Minnetonka Blvd. site:

1. The city supports the addition of this site to the State Superfund Priority List to help protect the health of our residents. This action will help ensure funding for continued testing in the residential area surrounding the site and mitigation system installation when needed for tetrachloroethylene source soil vapor contamination.
2. The city strongly supports and encourages the MPCA to take all necessary enforcement actions when warranted to ensure that identified soil vapor health hazards associated with this contamination are mitigated to protect the public health.
3. Some of the MPCA published information and area map from 2018 for this site are dated and inaccurate. The St. Louis Park City Hall and Police Station buildings have had all requested testing completed and results provided to MPCA during 2018. This information was recently verified to be in the agency project file for this site and no further action has been requested. We are requesting MPCA provide correct maps and information of this site to avoid creating unnecessary concerns by occupants and the public.

We are available to assist the MPCA with the continuing evaluation and public communication within the city. Please feel free to reach out with any questions.

Respectfully,



Tom Harmening  
City Manager



March 11, 2020

Mr. Joseph Maternowski  
3700 RBC Plaza  
60 South Street  
Minneapolis MN 55402

RE: Minnetonka Boulevard and Raleigh Avenue South Site  
Proposed Addition of the Minnetonka Boulevard and Raleigh Ave S Site to the State  
Superfund Permanent List of Priorities

Dear Joseph Maternowski:

Thank you for your February 14, 2020, comments regarding the Minnesota Pollution Control Agency's (MPCA) proposal to list the Minnetonka Boulevard and Raleigh Avenue South Site (the Site) on the state's Permanent List of Priorities (PLP). The MPCA understands that Uptown West Apartments does not object to the addition of the Site on the PLP and acknowledges Uptown's statements regarding its past participation in the remediation efforts at the Site. Your comment letter is part of the Site file, and will be included as part of the package forwarded to the MPCA Commissioner for consideration of approval to add the Site to the PLP.

Please contact Tom Reppe, Project Manager at [thomas.reppe@state.mn.us](mailto:thomas.reppe@state.mn.us) or 651-757-2643 with any questions you may have.

Sincerely,



Jamie Wallerstedt  
Manager  
Site Remediation and Redevelopment Section  
Remediation Division

JW/EP:jmp

cc: Laura Bishop, Commissioner  
Kirk Koudelka, Assistant Commissioner  
Kathy Sather, Division Director  
Jamie Wallerstedt, Manager  
Carmen Netten, Staff Attorney  
Tim Grape, Supervisor  
Tom Reppe, Project Leader



March 11, 2020

Mr. Tom Harmening  
St. Louis Park City Hall  
5005 Minnetonka Blvd  
St. Louis Park MN 555416

RE: Minnetonka Boulevard and Raleigh Avenue South Site  
Proposed Addition of the Minnetonka Boulevard and Raleigh Ave S Site to the State  
Superfund Permanent List of Priorities

Dear Tom Harmening:

Thank you for your February 21, 2020, comments supporting the Minnesota Pollution Control Agency's (MPCA) proposal to list the Minnetonka Boulevard and Raleigh Avenue South Site (the Site) on the state's Permanent List of Priorities (PLP). The MPCA has updated the website as well as removed the map. Moving forward, the MPCA will be working with the property owners to address any remaining risks. Tom Reppe, the site project manager, will be in touch with you to provide progress and/or updates. Your comment letter is part of the Site file, and will be included as part of the package forwarded to the MPCA Commissioner for consideration of approval to add the Site to the PLP.

Please contact Tom Reppe at [thomas.reppe@state.mn.us](mailto:thomas.reppe@state.mn.us) or 651-757-2643 with any questions you may have.

Sincerely,



Jamie Wallerstedt  
Manager  
Site Remediation and Redevelopment Section  
Remediation Division

JW/EP:jmp

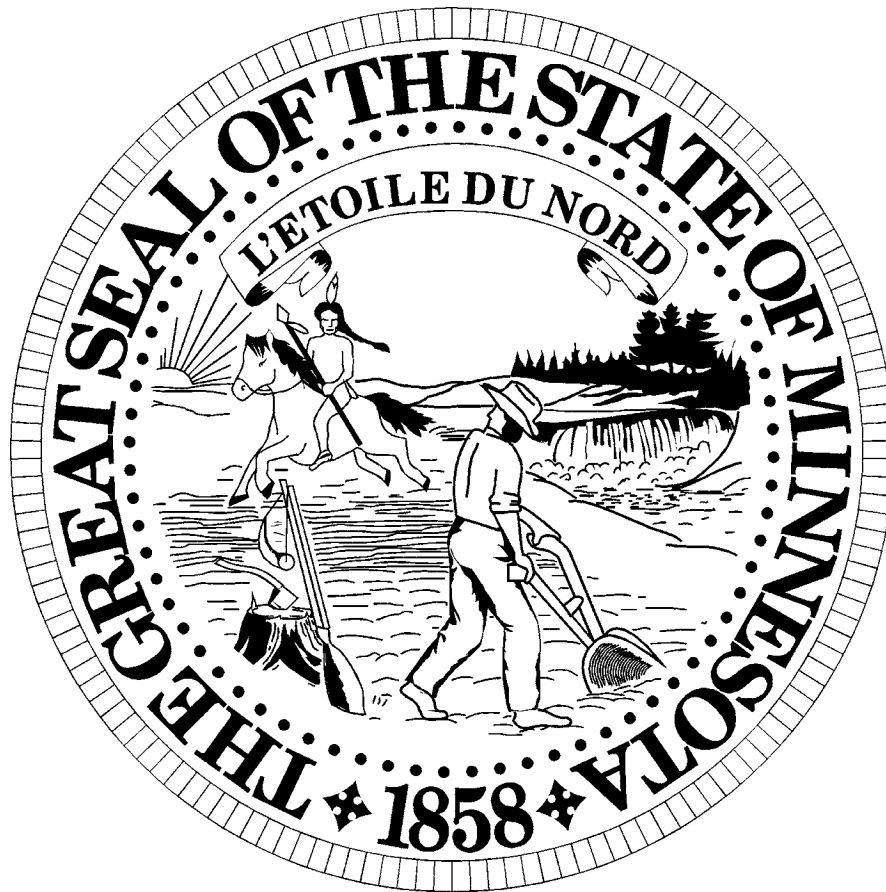
cc: Laura Bishop, Commissioner  
Kirk Koudelka, Assistant Commissioner  
Kathy Sather, Division Director  
Jamie Wallerstedt, Manager  
Carmen Netten, Staff Attorney  
Tim Grape, Supervisor  
Tom Reppe, Project Leader



# Attachment 2: Minnesota State Register Posting Information – January 27, 2020 Edition

# Minnesota State Register

Published every Monday (Tuesday when Monday is a holiday)



**Proposed, Adopted, Emergency, Expedited, Withdrawn, Vetoed Rules;  
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**Monday 27 January 2020  
Volume 44, Number 31  
Pages 841 - 860**

# Minnesota State Register

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The *Minnesota State Register* is the official publication of the State of Minnesota's Executive Branch of government, published weekly to fulfill the legislative mandate set forth in *Minnesota Statutes*, Chapter 14, and *Minnesota Rules*, Chapter 1400. It contains:

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- Non-State Public Bids, Contracts and Grants

### Printing Schedule and Submission Deadlines

| Vol. 44<br>Issue<br>Number | PUBLISH<br>DATE<br>( <b>BOLDFACE</b><br>shows altered<br>publish date) | Deadline for: all Short Rules, Executive and<br>Commissioner's Orders, Revenue and Official<br>Notices, State Grants, Professional-Technical-<br>Consulting Contracts, Non-State Bids and<br>Public Contracts | Deadline for LONG, Complicated<br>Rules (contact the editor to<br>negotiate a deadline) |
|----------------------------|--|---|---|
| # 32                       | Monday 3 February  | Noon Tuesday 28 January   | Noon Thursday 23 January  |
| # 33                       | Monday 10 February   | Noon Tuesday 4 February   | Noon Thursday 30 January  |
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State Capitol, Room 231, St. Paul, MN 55155  
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#### Minnesota State Court System

Court Information Office (651) 296-6043  
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<http://www.mncourts.gov>

#### House Public Information Services

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# Minnesota Rules: Amendments and Additions

## NOTICE: How to Follow State Agency Rulemaking in the State Register

The State Register is the official source, and only complete listing, for all state agency rulemaking in its various stages. State agencies are required to publish notice of their rulemaking action in the State Register. Published every Monday, the State Register makes it easy to follow and participate in the important rulemaking process. Approximately 80 state agencies have the authority to issue rules. Each agency is assigned specific Minnesota Rule chapter numbers. Every odd-numbered year the Minnesota Rules are published. Supplements are published to update this set of rules. Generally speaking, proposed and adopted exempt rules do not appear in this set because of their short-term nature, but are published in the State Register.

An agency must first solicit Comments on Planned Rules or Comments on Planned Rule Amendments from the public on the subject matter of a possible rulemaking proposal under active consideration within the agency (Minnesota Statutes §§ 14.101). It does this by publishing a notice in the State Register at least 60 days before publication of a notice to adopt or a notice of hearing, or within 60 days of the effective date of any new statutory grant of required rulemaking.

When rules are first drafted, state agencies publish them as Proposed Rules, along with a notice of hearing, or a notice of intent to adopt rules without a hearing in the case of noncontroversial rules. This notice asks for comment on the rules as proposed. Proposed emergency rules, and withdrawn proposed rules, are also published in the State Register. After proposed rules have gone through the comment period, and have been rewritten into their final form, they again appear in the State Register as Adopted Rules. These final adopted rules are not printed in their entirety, but only the changes made since their publication as Proposed Rules. To see the full rule, as adopted and in effect, a person simply needs two issues of the State Register, the issue the rule appeared in as proposed, and later as adopted.

The State Register features partial and cumulative listings of rules in this section on the following schedule: issues #1-26 inclusive (issue #26 cumulative for issues #1-26); issues #27-52 inclusive (issue #52, cumulative for issues #27-52 or #53 in some years). A subject matter index is updated weekly and is available upon request from the editor. For copies or subscriptions to the State Register, contact Minnesota's Bookstore, 660 Olive Street (one block east of I-35E and one block north of University Ave), St. Paul, MN 55155, phone: (612) 297-3000, or toll-free 1-800-657-3757. TTY relay service phone number: (800) 627-3529.

## Volume 44 - Minnesota Rules

(Rules Appearing in Vol. 44 Issues #1-26 are  
in Vol. 44, #26 - Monday 23 December 2019)

### Volume 44, #31

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**Rules Drafts.** As stated above, draft rule language is not available at this time. If you are interested in receiving notice when a draft of the rules is available, please register for GovDelivery bulletins on the Water Fees Rulemaking website at <https://www.pca.state.mn.us/water/amendments-water-quality-fee-rules>. You may also contact the MPCA contact person and request to receive a draft of the rules when it is available.

**Statutory Authority.** *Minnesota Statutes*, section 116.07, subdivision 4d(a); section 115.03, subdivisions 1(j) and 1(n); section 115.551; section 115.77, subdivision 1; and section 115.84, subdivisions 2 and 3 authorize the MPCA to establish and collect water quality program fees.

**MPCA Contact Person.** The MPCA contact person is Mary H. Lynn at the MPCA, 520 Lafayette Road North, St. Paul, MN 55155-4194; at 651-757-2439; and [mary.lynn@state.mn.us](mailto:mary.lynn@state.mn.us). You may also call the MPCA at 651-296-6300 or 800-657-3864 or use your preferred relay service [info.pca@state.mn.us](mailto:info.pca@state.mn.us).

**Alternative Format.** Upon request, this information can be made available in an alternative format, such as large print, braille, or audio. To make such a request, please contact the MPCA contact person via the contact information listed above.

**NOTE:** Comments received in response to this notice will not necessarily be included in the formal rulemaking record submitted to the Administrative Law Judge if and when the MPCA starts a proceeding to adopt rules. The MPCA is required to submit to the Administrative Law Judge only those written comments received in response to the draft rules after they are proposed. If you submit comments during the development of the rules and want to ensure that the Administrative Law Judge reviews the comments, you should resubmit the comments after the rules are formally proposed.

Dated: 1/12/2020

Laura Bishop  
Commissioner, MPCA

## Minnesota Pollution Control Agency (MPCA) Remediation Division Notice of Proposed Update of the State Superfund Priority List

**Notice of Proposed Update** of the State Superfund Priority List (State Superfund List) (also known as the Permanent List of Priorities [PLP]) Among Releases or Threatened Releases of Hazardous Substances or Pollutants or Contaminants.

**NOTICE IS HEREBY GIVEN** that the Minnesota Pollution Control Agency (MPCA) is publishing for public comment proposed additions to the State Superfund List, which lists releases or threatened releases of hazardous substances, pollutants, or contaminants for which the MPCA may take removal or remedial actions under the Minnesota Environmental Response and Liability Act (MERLA), Minn. Stat. §§ 115B.01-115B.20.

Pursuant to Minn. Stat. § 115B.17, the MPCA is authorized to take any removal or remedial action which the MPCA deems necessary to protect the public health, welfare or the environment whenever there is a release, or substantial threat of release, from a facility of any pollutant or contaminant which presents an imminent and substantial danger to the public health, welfare, or the environment, or whenever a hazardous substance is released or there is a threatened release of a hazardous substance from a facility.

Minn. Stat. § 115B.17, subd. 13 required the MPCA to establish priority rules regarding releases or threatened releases of hazardous substances, and pollutants or contaminants. These rules, Minn. R. ch. 7044, became effective on April 5, 1993.

Minn. Stat. § 115B.17, subd. 13 also require the MPCA to adopt the State Superfund List and to update the list

annually according to the criteria set forth in the priority rules. Before any update of the State Superfund List is adopted by the MPCA, it must be published in the State Register and a 30-day public comment period must be provided. This notice is, therefore, published to inform the public that the MPCA is proposing to update the State Superfund List and to solicit public comment on the proposed additions.

Pursuant to Minn. Stat. § 115B.17 and Minn. R. 7044.0950, the MPCA is proposing the following changes to the Superfund List.

The MPCA is proposing to add the following four sites (Sites) to the State Superfund List (Hazard Ranking Score assigned pursuant to Minn. R. 7044.0350 follows the Site): 1) 214-220 Ramsey Street (24.07) located at 220 Ramsey Street in the City of Hastings; 2) Gold Eagle Cleaners – Richfield (50.05) located at 1537 East 66<sup>th</sup> Street in the City of Richfield; 3) Gold Eagle Cleaners – Roseville (50.01) located at 1231-1237 Larpenteur Avenue West in the City of Roseville; and 4) Minnetonka Boulevard and Raleigh Avenue South (51.32) located at 5101 Minnetonka Boulevard in the City of St. Louis Park.

All four of the proposed listings are former dry cleaners and no longer located at the above addresses. The contaminant of concern is tetrachloroethylene (PCE) in the soil gas. PCE was commonly used as a dry cleaning solvent and is a hazardous substance under the definition in Minn. Stat. §115B.02, subd. 8. These MPCA sites are being proposed for addition to the State Superfund List as, in each case, State Superfund resources will likely be necessary to complete additional investigations of the soil gas and groundwater, and to implement appropriate response actions.

Each MPCA Site has been assigned to Response Action Classes C and D (see Minn. R. 7044.0450). The four response action classes are defined as follows: Class A - Declared Emergency; Class B - Response Actions Completed and Operation and Maintenance/Long-Term Monitoring Ongoing; Class C - Response Actions Necessary or in Progress or First Year Operation and Maintenance at a Site; and Class D - Remedial Investigations and Feasibility Studies Necessary or in Progress.

The MPCA is also proposing to delist the following Sites from the Superfund List: 1) Brainerd Foundry, Brainerd MN; 2) Naval Industrial Reserve Ordinance Plant (NIROP; partial delist), Fridley MN; and 3) Twin Cities Army Ammunition Plant (TCAAP, partial delist), Arden Hills MN.

The Brainerd Foundry site was listed on the Permanent List of Priorities (PLP) April 7, 2010. Through bankruptcy proceedings, the site was acquired by the U.S. Department of Commerce's Economic Development Administration (EDA) in 1982. The EDA, in coordination with MPCA, identified and removed lead and polychlorinated biphenyl (PCB) impacted soils and replaced them with clean fill. During development of an adjoining bike trail, soils containing arsenic, lead, and mercury exceeding soil reference values (SRV's) were detected. The City of Brainerd capped the impacted soils with clean fill and asphalt in 1998.

The Minnesota Decision Document (MDD), dated July 9, 2015, outlined the Residential Tier 1 Soil Reference Values as reasonable and appropriate cleanup levels for the soil contamination. The MDD concluded that groundwater risks associated with the Brainerd Foundry were low, and there were no vapor impacts. MPCA staff recommends that the Brainerd Foundry site be removed from the PLP because all reasonable and appropriate actions related to the identified releases have been taken. The PLP deletion criteria have been met for the site and no further Minnesota Environmental Response and Liability Act (MERLA) response actions are necessary because there is no longer a threat to human health or the environment under the current land use.

NIROP was a five-inch gun mount manufacturing facility and was listed on the PLP October 30, 1984. NIROP was then listed on the National Priority List (NPL) on November 21, 1989. It had been divided into three Operable Units (OU's), only OU3, the soils above the water table underlying the former Plating Shop, is being considered for delisting. Chlorinated solvents, primarily trichloroethene (TCE), were used at NIROP as degreasers for metal parts. The NIROP plant stored and disposed of industrial waste, scrap materials, drummed wastes, and chemicals at the facility. In 1996, drums and containers were excavated from discrete areas. In 2002, a small area with elevated contaminant concentrations was removed. These removals addressed the known locations with unacceptable contaminant risks in near surface soils.

# Official Notices

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IC's are in place for certain portions of TCAAP to manage potential risk associated with residual soil contamination at depth, below protective clean soil buffers and caps. OU2 was delisted by the EPA from the NPL on September 23, 2019. MPCA staff recommends that the TCAAP OU2 site be removed from the PLP because all reasonable and appropriate actions related to the identified releases have been taken. The PLP deletion criteria have been met for the site and no further MERLA response actions are necessary because there is no longer a threat to human health or the environment under the current land use.

The MPCA invites members of the public to submit written comments on the proposed four additions and three deletions from the State Superfund Permanent List of Priorities. All written comments with regard to these proposed changes to the Superfund List must be received no later than **4:30 p.m. on February 26, 2020**.

Written comments regarding the proposed updates to the State PLP should be submitted to: Eric Pederson, Site Remediation and Redevelopment Section, Remediation Division, Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194. Additional information will also be posted about each site on the MPCA website.

All written comments received by the above deadline will be considered by the MPCA in establishing the updated State Superfund List.

Laura Bishop, Commissioner  
Minnesota Pollution Control Agency





520 Lafayette Road North | St. Paul, Minnesota 55155-4194 | 651-296-6300

800-657-3864 | Use your preferred relay service | [info.pca@state.mn.us](mailto:info.pca@state.mn.us) | Equal Opportunity Employer

January 27, 2020

RE: Public Comment Period for State Superfund Priority List

To Whom It May Concern:

Pursuant to the Minnesota Environment Response and Liability Act, Minn. Stat. § 115B.17 (2012), and Minn. R. ch. 7044 (2010), the Minnesota Pollution Control Agency (MPCA) is publishing for public comment the proposed update of the State Superfund Priority List of releases or threatened releases of hazardous substances, pollutants, or contaminants. Prior to updating the Superfund List, the MPCA must solicit public comment on the proposed update for thirty (30) days. The public comment period ends on February 26, 2020.

According to MPCA records, you may have an interest in one or more of the sites proposed for addition to or deletion from the Superfund List. Therefore, please find enclosed a copy of the January 27, 2020, *State Register* notice on this matter. Additional information about each site can be found on the MPCA website at <https://www.pca.state.mn.us/waste/superfund-program>.

If you have any comments, please submit them as directed in the enclosed Public Notice. Should you know of additional interested parties concerning this update, please advise them of the Public Notice and public comment period.

Sincerely,

A handwritten signature in black ink that reads 'Kathryn J. Sather'.

Kathryn J. Sather  
Division Director  
Remediation Division

KJS:je

Enclosure

**Minnesota Pollution Control Agency  
Remediation Division  
Notice of Proposed Update of the State Superfund Priority List**

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All written comments received by the above deadline will be considered by the MPCA in establishing the updated State Superfund List.

Laura Bishop, Commissioner  
Minnesota Pollution Control Agency

Attachment 3: Site Listing Memorandum's for April  
2020 Update to PLP

# Office Memorandum

DATE: January 27, 2020

TO: Jamie Wallerstedt, Manager  
Site Remediation and Redevelopment Section  
Remediation Division

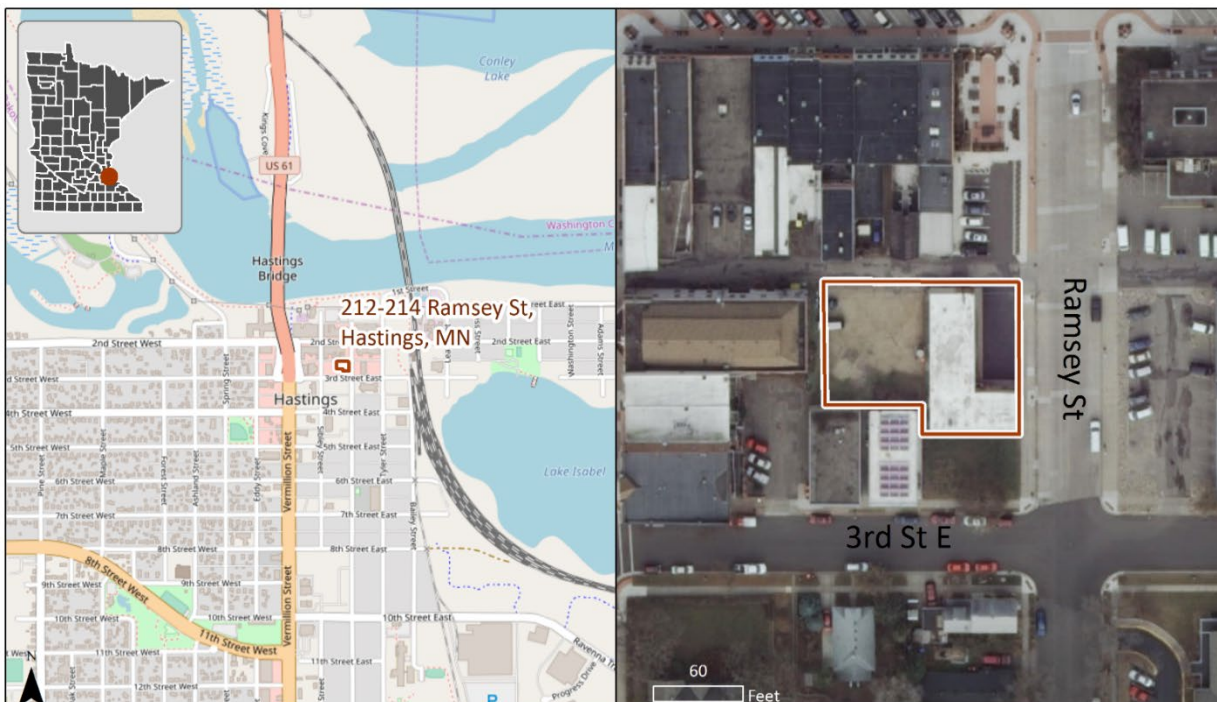
FROM: Crague Biglow, Supervisor  
Site Remediation and Redevelopment Section  
Remediation Division

Sondra Campbell  
Site Remediation Unit 2  
Site Remediation and Redevelopment Section  
Remediation Division

PHONE: 651-757-2840

SUBJECT: Request to add 214 & 220 Ramsey Street, Hastings, (SR266/SA355) to Permanent List of Priorities

Minnesota Pollution Control Agency (MPCA) staff recommend listing the 214 and 220 Ramsey Street site (Site) in Hastings to the Minnesota Superfund Permanent List of Priorities (PLP). This will allow the MPCA State Superfund program to use state funds to conduct investigation activities and response actions. This Site has been partially investigated by the owner of the former Zephyr Cleaners. The former owner has declined to continue addressing investigation and response actions in a letter dated April 25, 2017.



Service Layer Credits: © OpenStreetMap (and) contributors, CC-BY-SA  
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

## **Background and investigation summary**

The former Zephyr Cleaners was owned and operated from 1955 to 2011. The owners enrolled in the Voluntary Investigation and Cleanup (VIC) program on December 20, 2011, (ID# VP27970) with the intent of receiving assurances related to the sale of the property. The Site property was sold to a commercial developer in June 2013.

The site was referred from VIC to Superfund on March 29, 2012, and assigned the site ID SR266. A subsurface investigation conducted in September 2012 identified tetrachloroethylene (PCE) exceeding health risk values in soil gas throughout the site and in the building formerly used by the dry cleaner. Groundwater was not investigated as bedrock occurs within approximately 5 feet from the surface at the Site. In June 2013, a sub-slab depressurization system was installed and verified in the Site building to mitigate vapor intrusion risk. The Site building is currently being used for a pottery business, office space, and storage.

An investigation conducted in November 2016 included soil gas samples off-site and single sub-slab samples in several commercial/residential buildings located on the same block as the Site. The investigation results indicated that two buildings required mitigation and that additional buildings require sub-slab investigations. The MPCA responded to the 2016 investigation report in a letter to Mrs. Soleim dated March 15, 2017. The letter details the next phase of investigation, including building-specific soil gas investigations in at least 10 buildings, primarily residential, and continuing to define the vapor intrusion impacts migrating off-site. In response to the MPCA letter, the owner declined to continue addressing investigation and response actions in a letter dated April 25, 2017. A Request for Information (RFI) was sent to the owner on July 2, 2019, and a response was received on October 11, 2019.

## **Mitigation of imminent threat**

Two residential/commercial buildings on the same block as the former Zephyr Cleaners were mitigated in the winter of 2018-2019. The MPCA is currently investigating the vapor intrusion risk in eight additional nearby buildings that have apartments on the basement level or 2<sup>nd</sup> floor.

## **Human health risks**

Potential risks associated with the Site release include chlorinated solvent vapor intrusion into buildings (including the site, the buildings on the same block, and nearby residences to the north), and potential migration of contaminated groundwater to off-site receptors (including the Mississippi River located about 700 feet to the north). The risk of direct exposure to soil or groundwater is unknown because the extent and magnitude of soil and groundwater contamination is undefined at this time.

## **Conclusion**

Site investigation work has demonstrated the presence of elevated concentrations of PCE in the soil gas at the Site. Additional investigation is necessary to determine the extent and magnitude of the release(s) and the source area(s).

Soil vapor concentrations of PCE are high enough to warrant installation of vapor intrusion mitigation systems at two adjoining buildings based on limited data. Further investigations may show that additional residential and commercial properties are at risk for vapor intrusion.

The 214 and 220 Ramsey Street Site should be listed to the State PLP to perform additional investigation to determine the potential risks to receptors associated with the identified release and to implement any corrective actions, if necessary.

DEPARTMENT: POLLUTION CONTROL AGENCY

STATE OF MINNESOTA

## Office Memorandum

DATE: January 27, 2020

TO: Jamie Wallerstedt, Manager  
Site Remediation and Redevelopment Section  
Remediation Division

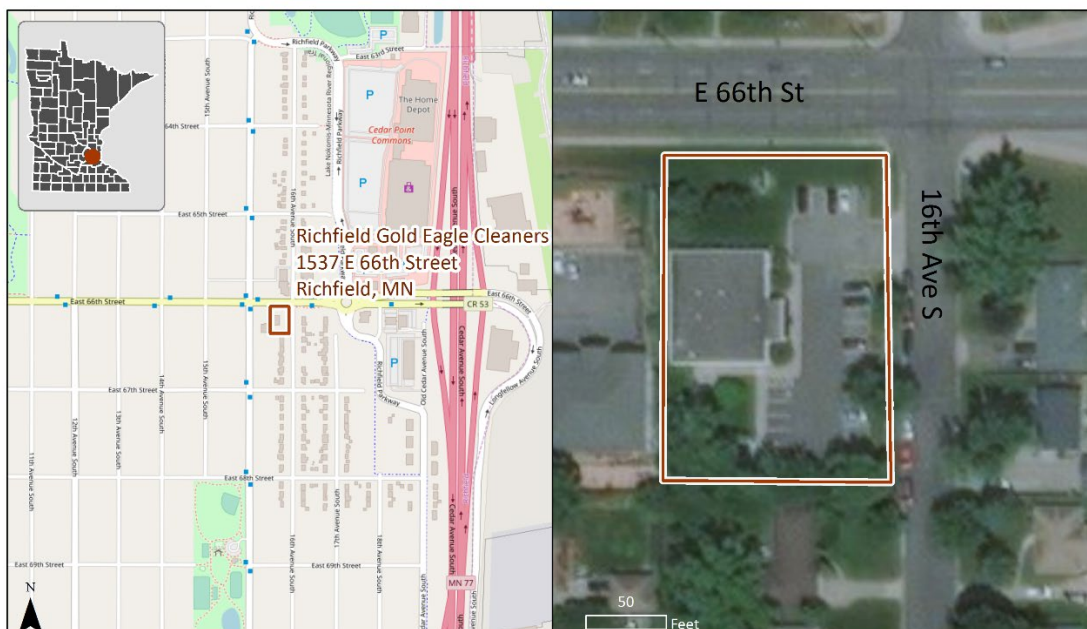
FROM: Crague Biglow, Supervisor  
Site Remediation and Redevelopment Section  
Remediation Division

Christopher Formby  
East Metro Unit  
Remediation Division

PHONE: 651-757-2712

SUBJECT: Request to add Richfield Gold Eagle Cleaners, 1537 E 66<sup>th</sup> Street, Richfield, to Permanent List of Priorities

Minnesota Pollution Control Agency (MPCA) staff recommend listing the Richfield Gold Eagle Cleaners site (Site) in Richfield to the Minnesota Permanent List of Priorities (PLP). This will allow the MPCA State Superfund program to use state funds to conduct investigation activities and response actions. The former owner has declined to conduct investigation and response actions.



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### Background and investigation summary

The former Gold Eagle Cleaners operated from 1962 to 1995. After an ownership change and a remodel in 1995, the Site building has operated as a dental clinic to the present.



In July 2017, a sub-surface investigation was conducted at a brownfield site immediately to the east of the Site (ID# BF470) where soil vapor and groundwater samples were collected and analyzed for volatile organic compounds. Soil vapor concentrations were in excess of the MPCA's Sub-Slab Intrusion Screening Value for tetrachloroethylene (PCE). PCE was detected in groundwater at concentrations as high as 407 ug/l. PCE is commonly used as a dry cleaning solvent and is a hazardous substance under the definition in Minn. Stat. §115B.02, subd. 8. Results of the investigation indicated that the PCE contamination in the groundwater likely came from an off-site source to the west.

Based upon the findings from adjacent and up-gradient investigations conducted immediately to the east of the Site (ID# BF470), the MPCA Site Assessment (SA) Program collected sub-slab vapor samples from below the former dry cleaner in August 2017. Concentrations of PCE in soil vapor exceeded the MPCA's Sub-Slab Intrusion Screening Value. In March 2018, the current owner, under MPCA Brownfield Program oversight, installed a sub-slab depressurization system to mitigate vapor intrusion at the Site building (ID# BF586).

MPCA is currently undertaking an investigation to define the extent and magnitude of the PCE release to groundwater and soil vapor in the surrounding residential community. The Minnesota Department of Health issued an expedited action determination for the investigation and potential mitigation of vapors at the Site. To date, six residential homes and two commercial buildings have been mitigated by SA and the MPCA's Emergency Management Unit.

The former owner of the dry cleaner has declined to address investigation and response activities beyond the original Phase I investigation in 1996 which identified no issues but had only a single sample taken of the soil beneath an abandoned holding tank.

#### **Mitigation of imminent threat**

Sub-slab depressurization systems (SSDSs) were installed by the MPCA at six residential homes and a day care. The dental office SSDS was installed by the current owner.

#### **Human health risks**

Potential risks associated with the Site release include chlorinated solvent vapor intrusion into Site buildings and potential migration of contaminated groundwater to off-site receptors. The risk of direct exposure to vapor or groundwater is unknown because the extent and magnitude of vapor and groundwater contamination is undefined at this time.

#### **Conclusion**

Elevated concentrations of PCE is present in the soil gas and the groundwater at the Site. Additional investigation is necessary to determine the extent and magnitude of the release and the source area.

Soil vapor concentrations of PCE are high enough to warrant installation of vapor intrusion mitigation systems at six residences, a daycare, and a dental office at the Site. Further investigations may show that additional residential and commercial properties are at risk for vapor intrusion.

The Richfield Gold Eagle Cleaners Site should be listed on the State PLP to perform additional investigation to determine the additional risks to receptors associated with the identified release and to implement any corrective actions, if necessary.

## Office Memorandum

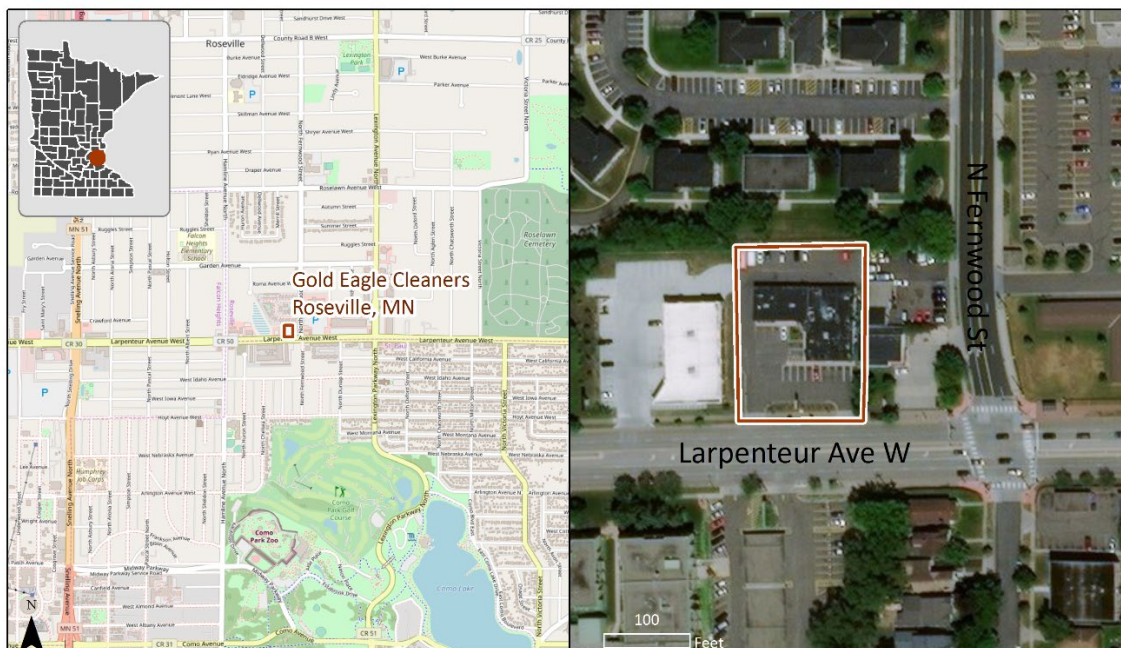
DATE: January 27, 2020

TO: Jamie Wallerstedt  
Remediation Division  
Site Remediation and Redevelopment Section  
Remediation DivisionFROM: Crague Biglow  
Supervisor  
Site Remediation and Redevelopment Section  
Remediation DivisionSondra Campbell  
Site Remediation Unit 2  
Site Remediation and Redevelopment Section  
Remediation Division

PHONE: 651-757-2840

SUBJECT: Permanent List of Priorities Listing Request  
Gold Eagle Cleaners, Roseville

Minnesota Pollution Control Agency (MPCA) staff recommend listing the Gold Eagle Cleaners site (the Site) located in Roseville, Minnesota on the Minnesota Permanent List of Priorities (PLP). This will allow the MPCA State Superfund program to use state funds to conduct investigation activities and response actions. This Site has been partially investigated by the owner of Gold Eagle Cleaners (the "Owner" or "Gold Eagle Cleaners"). The Owner has not conducted work at the Site since 2012.



### **Background and Investigation Summary**

The Site building is currently occupied by Gold Eagle Cleaners (no longer a dry cleaning facility), a restaurant, and a veterinarian clinic. Gold Eagle Cleaners used tetrachloroethylene (PCE) for dry cleaning at the site from 1961 until 2012, when the business switched to wet cleaning and a coin-operated laundry. PCE is commonly used as a dry cleaning solvent and is a hazardous substance under the definition in Minn. Stat. §115B.02, subd. 8. Between July 2010 and March 2011, Ramsey County and MPCA hazardous waste inspectors conducted site visits at Gold Eagle Cleaners. These inspections led to the MPCA issuing a Notice of Violation requiring Gold Eagle Cleaners to discontinue the use of a PCE waste underground storage tank and to perform an investigation to determine the nature and extent of contamination. Gold Eagle Cleaners enrolled in the Voluntary Investigation and Cleanup (VIC) program on September 26, 2012 (ID# VP29200) with the intent of receiving assurances related to the financing of the property.

In 2012, Gold Eagle Cleaners conducted investigations indicating that a release to the subsurface had occurred beneath two underground storage tanks. Sub-slab soil vapor concentrations of PCE detected in the source area exceeded nine times the MPCA's Expedited risk value for sub-slab vapor. In addition, an indoor air concentration of PCE was detected in an adjoining tenant space (current veterinarian) at a concentration of over 45 times the MPCA's commercial Expedited Intrusion Screening Value (EISV). On January 2, 2013, the MPCA sent a letter to the Owner requesting a response to the vapor intrusion risk, no response was received.

Multiple correspondences between the MPCA and the Gold Eagle Cleaners Owner took place between 2012 and 2019 requesting the Owner respond to the release. Although the Owner submitted a Response Action Plan for mitigation, which was approved by the MPCA in June 2017, the Owner stopped work at the Site and failed to install mitigation systems. The MPCA sent a Request for Information (RFI) to the Owner on April 14, 2017 but the Owner did not respond to the RFI. The MPCA sent a second RFI to the Owner on August 21, 2018 as certified mail (received). The Owner failed to respond to either RFI.

In May 2019, the MPCA conducted a sub-slab and indoor air investigation at the Site, which indicated that the tenant space with the former indoor air exceedance, the current veterinarian clinic, still has an exceedance of the ISV for PCE ( $40 \mu\text{g}/\text{m}^3$ ). The initial round of sub-slab soil vapor samples do not show detections of PCE exceeding risk values. The MPCA sent a letter to the Owner informing him of the results and requesting that he inform his tenants.

### **Mitigation of Imminent Threat**

The investigation results from 2019 show levels of PCE in indoor air exceeding health based values. The MPCA will conduct additional sampling and evaluation of the pathways for the indoor air exceedance in fiscal year 2020.

### **Human Health Risks**

Potential risks associated with the Site release include chlorinated solvent vapor intrusion into the Site building, the buildings on the same block, and nearby residences to the north of the Site. The risk of direct soil or groundwater exposure is unknown because the extent and magnitude of soil and groundwater contamination is undefined at this time.

### **Conclusion**

Elevated concentrations of PCE are present in the soil, soil gas, groundwater, and indoor air at the

Site. Additional investigation is necessary to determine the extent and magnitude of the release(s) and better define the source area(s).

The Gold Eagle Cleaners Site should be listed on the State PLP to allow the MPCA to perform additional investigations, determine the potential risks to receptors associated with the identified release, and implement corrective actions, if necessary.

DEPARTMENT: POLLUTION CONTROL AGENCY

STATE OF MINNESOTA

## Office Memorandum

DATE: January 27, 2020

TO: Jamie Wallerstedt, Manager  
Site Remediation and Redevelopment Section  
Remediation Division

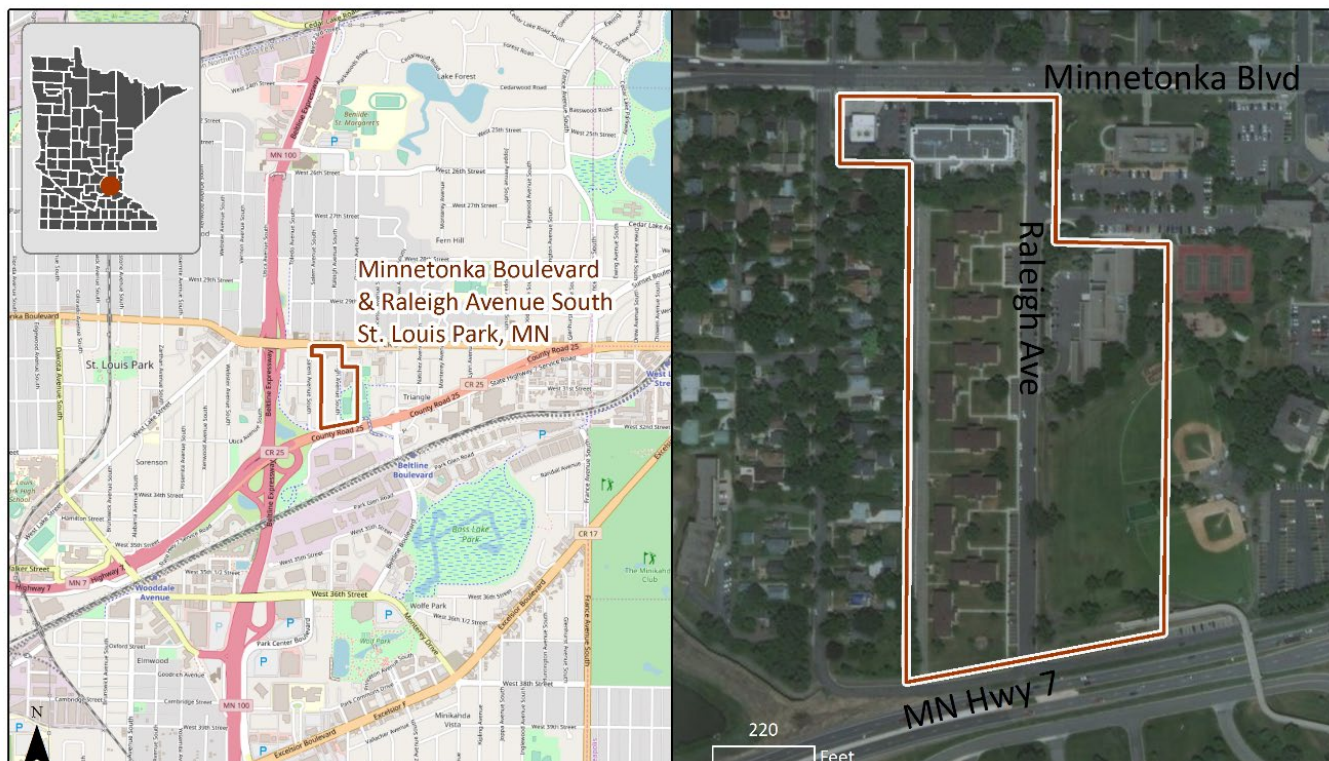
FROM: Crague Biglow, Supervisor  
Site Remediation and Redevelopment Section  
Remediation Division

Tom Reppe  
Site Remediation Unit 1  
Site Remediation and Redevelopment Section  
Remediation Division

PHONE: 651-757-2643

SUBJECT: Request to add Minnetonka Boulevard & Raleigh Avenue South, St. Louis Park to Permanent List of Priorities

The Minnesota Pollution Control Agency (MPCA) staff recommend referring the Minnetonka Boulevard and Raleigh Avenue South site (Site) in St. Louis Park to the Minnesota Permanent List of Priorities (PLP). This will allow the MPCA State Superfund Program to use state funds to conduct investigation activities and response actions. This Site has been partially investigated by the current owner of the property (the "Current Property Owner"). The Current Property Owner has not conducted work at the Site since 2012.



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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

### Background and investigation summary

The former Waldorf Nevins Cleaners (the "Operator") operated as a dry cleaner from 1981 through 1998. The Site is

located in an area of mixed commercial and residential use in St. Louis Park near the intersection of Minnetonka Boulevard and Raleigh Avenue South. Operating practices have led to environmental contamination of soil, groundwater, and soil gas at the Site and adjacent off-site properties.

In 1998, Waldorf Nevins Cleaners ceased business operations, and the Site was sold by the former owner of the property (the "Former Property Owner") to be redeveloped as a mixed commercial and residential building (Fern Hill Place). The Operator and Former Property Owners enrolled in the Voluntary Investigation and Cleanup (VIC) program (ID# VP9360) in 1997 requesting MPCA assurances associated with the sale of the property to the Current Property Owner. During redevelopment activities in 2000, the Current Property Owner removed approximately 3,600 cubic yards of tetrachloroethylene (PCE) contaminated soil from the Site. PCE is commonly used as a dry cleaning solvent and is a hazardous substance under the definition in Minn. Stat. §115B.02, subd. 8. However, significant contamination remained in place, and the full extent and magnitude of soil and groundwater impacts were not delineated. The residual contaminated soil and groundwater are continuing sources of chlorinated volatile organic compounds (VOCs) to soil gas, creating an ongoing risk for vapor intrusion.

In 2010, the MPCA's Site Assessment (SA) Program (ID# SA4602) initiated further evaluation when PCE impacts were identified in groundwater and off-site soil gas. MPCA SA staff requested that the Former Property Owner, the Current Property Owner, and off-site commercial property owners conduct voluntary investigation and response activities; however, the MPCA's requests were declined.

In 2013, the MPCA's SA Program and conducted limited groundwater and soil vapor investigation and sampling at the Site and adjacent properties. In 2015 and 2016, the MPCA continued investigation activities including additional soil, groundwater, and soil gas sampling, installation and sampling of sub-slab vapor points, and evaluating surrounding buildings and utilities for potential vapor migration risk.

### **Mitigation of imminent threat**

In 2017, MPCA completed investigative sampling at three residential apartment buildings immediately south of the Site. The sampling identified elevated sub-slab vapor concentrations of PCE and trichloroethene (TCE) exceeding the MPCA's Expedited Intrusion Screening Values (EISVs) beneath each of the three buildings. At the request of the MPCA, in February 2018, the owner of the apartments, Uptown West Apartments (UWA), completed soil vapor mitigation of the buildings. Additional sampling conducted by the MPCA at the next three UWA buildings closest to the Site identified elevated soil vapor concentrations requiring mitigation of a fourth building and additional testing of another two buildings. In September 2018, the MPCA requested that UWA inform the residents of the soil vapor concentrations, complete soil vapor mitigation of the fourth building, and conduct additional soil vapor testing at two others. To date, despite multiple requests via phone and email, informing of the residents, mitigation of the building, and additional soil vapor sampling have not been completed.

### **Human health risks**

The primary human health concerns associated with the Site are vapor intrusion risks resulting from PCE and TCE impacts in soil and groundwater. The risk of direct soil and/or groundwater exposure is unknown because the extent and magnitude of soil and groundwater contamination is unknown at this time.

### **Conclusion**

Site investigation work conducted to date has demonstrated the presence of elevated concentrations of PCE and TCE in soil vapors at the Site. Additional investigation is necessary to determine the extent and magnitude of the release and the source area.

Concentrations of PCE and TCE detected at the Site are high enough to warrant installation of vapor intrusion mitigation systems at four apartment buildings. Further investigations may show that additional residential and commercial properties are at risk for vapor intrusion.

The Minnetonka Boulevard & Raleigh Ave. Site should be listed on the State PLP to perform additional investigation

to determine the potential risks to receptors associated with the identified release and to implement any corrective actions, if necessary.

Attachment 4: Site Delisting Memorandum for April  
2020 Update to PLP



DEPARTMENT: POLLUTION CONTROL AGENCY

STATE OF MINNESOTA

## Office Memorandum

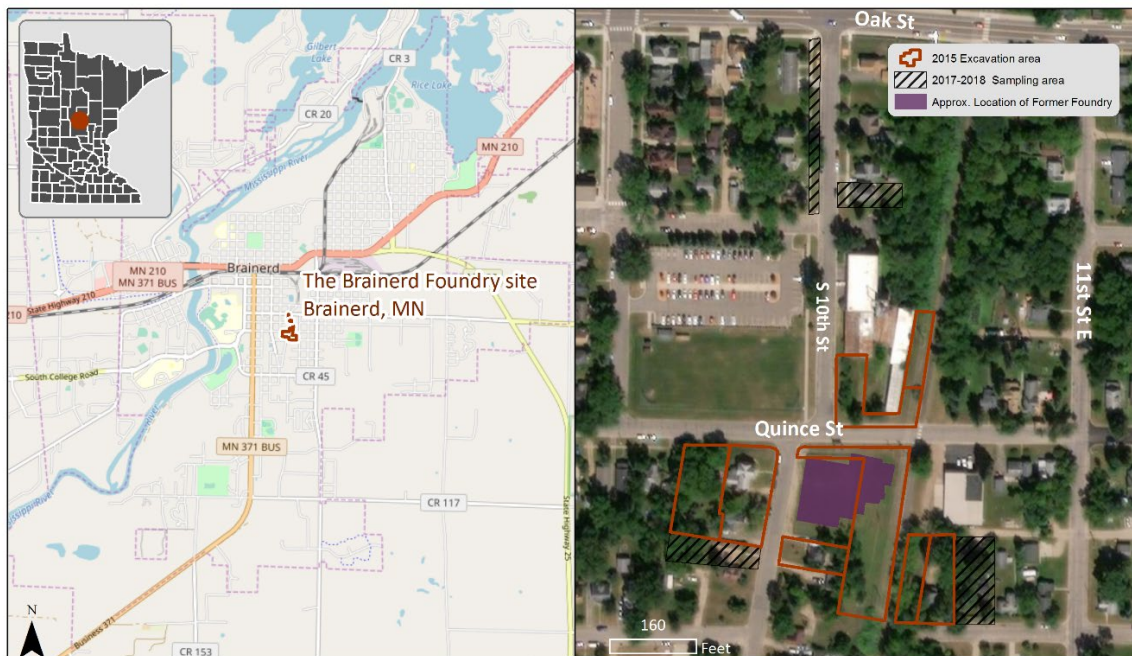
DATE: January 27, 2020

TO: Jamie Wallerstedt, Manager  
Site Remediation and Redevelopment Section  
Remediation DivisionTHROUGH: Crague Biglow, Supervisor  
Site Remediation and Redevelopment Section  
Remediation DivisionFROM: Jennifer Jevnisek, Environmental Specialist  
Site Remediation & Redevelopment Section  
Remediation Division

PHONE: 651-757-2181

SUBJECT: Recommendation for removal of Brainerd Foundry Site (SR378) from the Permanent List of Priorities

The Brainerd Foundry site (Site) is located at 801 South 10<sup>th</sup> Street in Brainerd, Minnesota, and operated as a metal parts casting foundry from 1925 to 1981. The foundry operated without emissions controls until 1970 at which point a bag-house emissions control system was installed to comply with pollution control regulations. Pre-1970 operations resulted in the aerial deposition of metals on the Foundry property and nearby properties.



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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

### Background and investigation summary

Foundry operations ceased in the fall of 1981, and the foundry owners filed for bankruptcy in early 1982. The U.S. Department of Commerce's Economic Development Administration (EDA) acquired the property through bankruptcy proceedings. EDA conducted several phases of work between 1983 and 1994, including a polychlorinated biphenyls (PCB) cleanup, investigations that identified lead-impacted soil, and an excavation of lead-impacted soil at the Foundry property in 1996. As part of a plan to build a bike trail on a portion of railroad right-of-way adjacent to the Foundry

property, the City of Brainerd identified soil contaminated with lead, arsenic, naphthalene, and 1,3,5-trimethylbenzene in 1998.

The Minnesota Department of Health (MDH) completed a health consultation for the site in May 2001, which concluded insufficient information existed to evaluate potential human health risks associated with off-site foundry-related contaminants.

Between 2006 and 2008, the MPCA's Site Assessment Program conducted off-site investigations, which identified soil exceeding the arsenic, lead, and mercury soil reference values (SRVs).

The MPCA listed the Site on the State Permanent List of Priorities (PLP) on April 7, 2010, with a Hazard Ranking System (HRS) score of 2.

### **Response action completed prior to PLP listing**

The EDA demolished the Foundry buildings and completed a PCB clean up in the 1980s. The EDA also implemented a metals-impacted soil excavation on the Foundry property in 1996. During development of the adjoining bike trail, the City of Brainerd capped some of the impacted soils with clean fill and asphalt in 1998.

### **Response action goals for hazardous substances**

The primary human health pathway of concern at the Site was the potential exposure to contaminated surface soils. As such, the Minnesota Decision Document (MDD), dated July 9, 2015, outlines the Residential Tier 1 SRVs as reasonable and appropriate cleanup levels for the soil contamination.

The MDD concluded that groundwater risks associated with the Site were low, based on data from the EDA's groundwater investigation. There is no vapor risk at the Site.

### **Evaluation of response action alternatives**

The MPCA reviewed a Feasibility Evaluation report for the Site dated October 9, 2014. This report documented cleanup options for the hazardous substances at the Site. The MPCA agreed with the report's conclusion that excavation and offsite disposal of impacted surface soils would be feasible for achieving Site remedial goals.

### **Contaminated soil removal**

Between August and September 2015, approximately 4,042.5 tons of contaminated surface soil was excavated. Soil samples collected from the sidewalls and base of the excavation did not exceed the Residential Tier 1 SRVs.

### **Additional characterization**

At the request of the MDH, MPCA Environmental Outcomes staff generated an air emissions model. The model identified areas that may have been influenced by lead deposition from the Foundry, and identified potential testing areas outside of the 2015 excavation. Four areas (black hatched on the map above) were identified as areas for further testing.

Between 2017 and 2018, 76 surficial (within the upper four feet of the surface) soil samples were collected in these four areas. These included the right of way of South 10<sup>th</sup> Street, as well as the yards of 814 and 623 South 10<sup>th</sup> Street and 1013 Rosewood Street. Samples collected in the right of way did not exceed Residential Tier 1 SRVs. Lead concentrations exceeding the Residential Tier 1 SRVs were identified at each of the properties (five locations at 814 S 10<sup>th</sup> Street, six locations at 623 South 10<sup>th</sup> Street, and six locations at 1013 Rosewood Street).

Based on the elevated concentrations, MPCA and MDH met to discuss the results. Staff were unable to determine if the elevated concentrations were directly from the foundry, as other source(s) (e.g., lead-based paint, auto emissions) may

have contributed to the detections. Although a greater exposure for risk (such as gardening or children playing in bare soil) was identified, risk assessor staff identified several best practices that homeowners could implement to limit their exposure regardless of source(s). MPCA risk assessor staff prepared a Sampling Evaluation, dated October 2018, that discusses potential sources, the potential risk (greater exposure for children playing in bare soil or gardening), and best practices to limit exposure to the potential risk. Sampling results and the best practices outlined in the October 2018 Sampling Evaluation were included in summary letters sent to the three homeowners in December 2018.

### **Conclusion**

The Minnesota Decision Document (MDD), issued on July 9, 2015, presents the selected remedial action and cleanup levels, as well as historical response actions undertaken at the site. Hazardous materials in exceedance of cleanup levels in the soil were excavated from the site in 2015. Properties tested in 2017 and 2018 were provided with best practices to limit potential exposure. The MPCA has determined that the selected response actions for the Site are protective and that residual contaminants remaining in soil no longer pose a threat to human health, welfare, or the environment from a release or threatened release of the hazardous substance or contaminant. MPCA staff recommends that the Site be removed from the PLP.

### **Peer review**

David Scheer, senior hydrogeologist, has reviewed the Site history and response actions taken to protect human health and the environment. Based on the available information, he has determined the recommendation to remove the Site from the PLP is appropriate.

DEPARTMENT: POLLUTION CONTROL AGENCY

STATE OF MINNESOTA

## Office Memorandum

DATE: January 27, 2020

TO: Jamie Wallerstedt, Manager  
Site Remediation and Redevelopment Section  
Remediation Division

THROUGH: Amy Hadiaris, Supervisor  
Site Remediation & Redevelopment Section  
Remediation Division

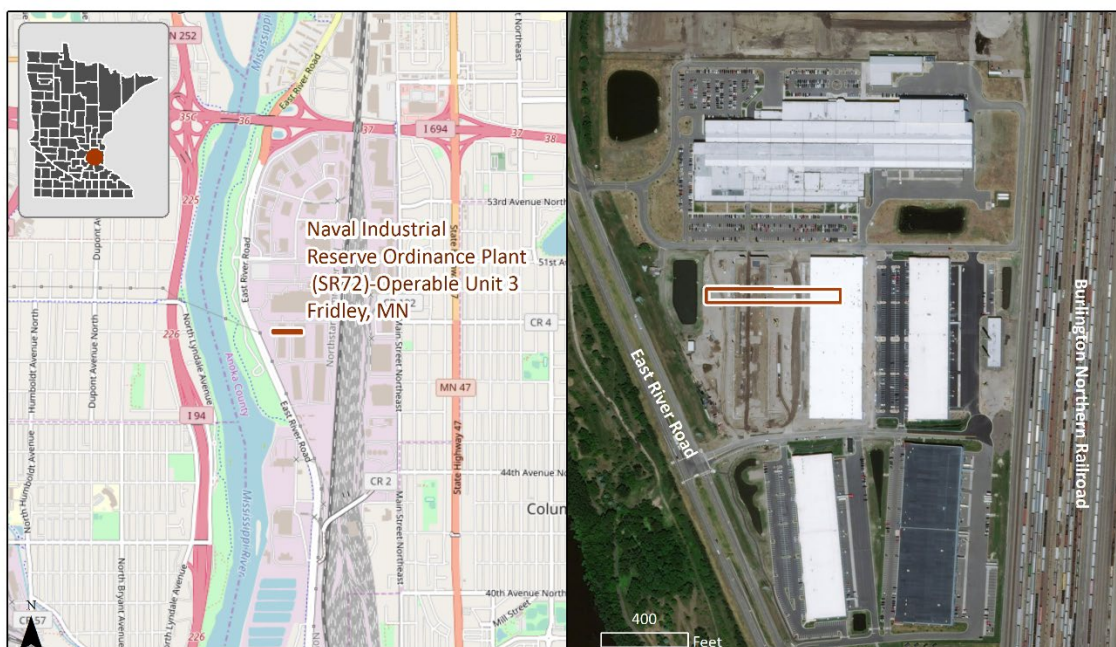
FROM: Shanna Schmitt  
Redevelopment Unit  
Site Remediation & Redevelopment Section  
Remediation Division

PHONE: 651-757-2697

SUBJECT: Recommendation for removal of Naval Industrial Reserve Ordinance Plant (SR72)-Operable Unit 3 from the Permanent List of Priorities

The Naval Industrial Reserve Ordinance Plant (NIROP) Superfund Site (the Site) (CERCLIS ID MN3170022914) is located in Fridley, Minnesota, about 0.6 miles south of the intersection of Interstate Highway 694 and East River Road. The Site is approximately 82.6 acres and is divided into three operable units (OUs):

- OU1 is the contaminated groundwater within and originating from the property boundaries of the NIROP Superfund site.
- OU2 is the soils above the water table within the Site except for the soils underlying the former Plating Shop Area.
- OU3 is the soils above the water table underlying the former Plating Shop Area.



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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Only OU3 is being considered for deletion from Minnesota's Permanent List of Priorities (PLP). OU2 was delisted from the PLP on May 4, 2015. OU1 will remain on the PLP. The PLP deletion criteria for OU3 have been met by the United

States Navy (Navy). They have completed the cleanup actions as required by the Record of Decision (ROD), and no further Minnesota Environmental Response and Liability Act (MERLA) response actions are necessary. The United States Environmental Protection Agency (EPA) delisted OU3 from the National Priorities List (NPL) effective September 17, 2018. The associated Federal Register notices are attached to and included as part of this deletion package.

### **Background and investigation summary**

NIROP dates to 1940 when Northern Pump Company, under contract from the Navy, constructed a new manufacturing plant and began producing five-inch gun mounts for Naval vessels. As a part of manufacturing operations at the Site, chlorinated solvents were used as degreasers for metal parts. The primary chlorinated solvent used at the Site was trichloroethene; smaller quantities of tetrachloroethene and other solvents were also used at the Site. The NIROP plant stored and disposed of industrial waste, scrap materials, drummed wastes, and chemicals at the facility.

The Site was added to the PLP on October 30, 1984. The Site had a Hazard Ranking System score of 63.

In 1996, drums and containers were excavated from discrete areas of the Site. In 2002, a small area with elevated contaminant concentrations was removed. These removals addressed the known locations where there were unacceptable contaminant risks in near surface soils.

The ROD for OU1 was signed in September 1990. A Federal Facilities Agreement (FFA), a legal agreement that guides the Site cleanup, was signed in March 1991 by the EPA, MPCA and the Navy, with the EPA as the lead agency. The ROD for OU2/OU3 was signed in September 2003.

### **Selected remedy, response activities, cleanup goals, and Institutional Controls**

The remaining low levels of soil contamination are managed by the following land use controls (LUCs):

- Restricting the Site to industrial or restricted commercial use, until and unless EPA and MPCA determine that concentrations of hazardous substances in the soil have been reduced to levels that allow for less restrictive use.
- Prohibiting the disturbance of soil deeper than three feet below ground surface in those Designated Restricted Areas, which include Area A3, Area A4, and the former Plating Shop Area.

The LUCs were implemented on June 17, 2004, when a Quit Claim Deed was executed by the property owner, the EPA, and the MPCA. An Institutional Control (IC), or deed restriction, was recorded with the deed and states that the LUCs, as listed above, are to remain in place until EPA and MPCA determine that the concentrations of hazardous substances in the soils have been reduced to levels that allow for a less restrictive use. The Navy is responsible for conducting routine inspections to ensure that LUCs are maintained and enforced. Any breaches or issues are reported to the MPCA and EPA. All the LUCs have been inspected and found to be in compliance.

The cleanup levels for contaminants of concern for human exposure to contaminated soil are protective. They are in conjunction with the LUCs and are designed to protect all pathways identified above.

### **Five-year review**

The Navy conducted a five-year review (FYR) at the Site in October 2018. The 2018 FYR noted that the remedy at the Site, which includes OU3, is protective of human health and the environment in the short-term. This FYR calls for continued optimizations efforts for the extraction and monitoring components.

### **Redevelopment plans**

Redevelopment of the NIROP Site into a commercial office/warehouse complex will be complete by late-2019. This redevelopment is consistent with the existing land use restrictions. The three parties to the FFA (Navy, MPCA, and EPA) concur that the delisting of OU3 from the PLP is appropriate. The partial delisting of OU3 from the NPL was effective on September 17, 2018.

A developer has enrolled the Site and certain adjacent land into MPCA's Brownfield Program. In conjunction with the redevelopment of the Site, any additional investigations will be conducted under the oversight and direction of the MPCA's Brownfield Program.



DEPARTMENT: POLLUTION CONTROL AGENCY

STATE OF MINNESOTA

## Office Memorandum

DATE: January 27, 2020

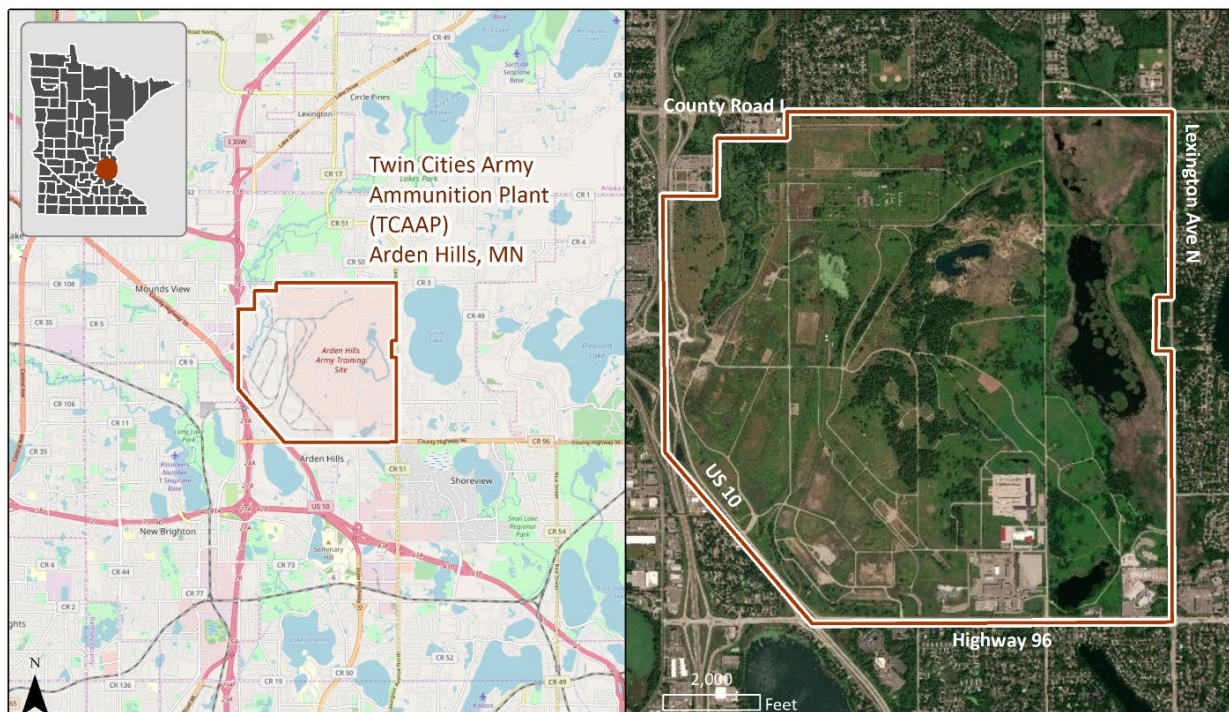
TO: Jamie Wallerstedt, Manager  
Site Remediation and Redevelopment Section  
Remediation Division

FROM: Amy Hadiaris, Supervisor  
Site Remediation and Redevelopment Section  
Remediation Division

PHONE: 651-757-2402

SUBJECT: Recommendation for Partial Delisting of TCAAP Operable Unit 2 (Soil and Surface Water) from the Permanent List of Priorities

The former Twin Cities Army Ammunition Plant (TCAAP) is located in Arden Hills and encompasses approximately four-square miles or 2,370 acres of land. The Superfund site encompasses the former plant, as described above, and the off-site deep groundwater plume that lies beneath portions of New Brighton, Saint Anthony, and, to a lesser extent, Columbia Heights and Minneapolis.



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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

The Site is divided into three operable units (OUs), as shown on **Attachment 1**:

- OU1 and OU3 are composed of off-site deep groundwater contamination originating from TCAAP.
- OU2 is composed of on-site soil, groundwater, and surface water that lies within the four-square mile footprint of the TCAAP property.

Only OU2 soil and surface water are being considered for deletion from Minnesota's Permanent List of Priorities (PLP). OU1, OU2, and OU3 groundwater will remain on the PLP.

The PLP deletion criteria for OU2 soil and surface water have been met by the United States Department of Army (Army). They have completed the soil and surface water cleanup actions as required by the OU2 Record of Decision (ROD) and associated ROD amendments. Risks have been mitigated and no further Minnesota Environmental Response and Liability Act (MERLA) response actions are necessary for OU2 soil and surface water. The United States Environmental Protection Agency (EPA) delisted OU2 soil and surface water from the National Priorities List (NPL) effective September 23, 2019. The associated Federal Register notices are attached to and included as part of this deletion package.

### **Background and investigation summary**

Between 1942 and the early 1990s, the site was used by the Army and its contractors for the manufacturing and testing of small arms ammunition. Many of the production and support buildings were located in the western one-third of the site. The eastern two-thirds of the site was used for weapons testing and waste disposal. The manufacturing operations and on-site waste disposal practices resulted in extensive soil and groundwater contamination. The primary contaminants of concern were lead and the chlorinated solvent trichloroethylene (TCE), which was used as a metal degreaser. The Site was added to the NPL in September of 1983 and the PLP in October 1984 with a Hazard Ranking System score of 60.

### **Superfund source areas**

Since the late 1980s, the Army has undertaken many environmental investigations and cleanup actions for the identified soil contamination, under the regulatory oversight of the EPA and the MPCA. **Attachment 2** shows the Superfund source areas that were identified at TCAAP. Soil response actions at each of these areas have been completed, and institutional controls are in place for certain portions of TCAAP to manage potential risk associated with residual soil contamination at depth, below protective clean soil buffers and caps.

### **Aquatic sites**

The Army has completed an evaluation and ecological risk assessment for five surface water bodies within the boundary of the TCAAP. The five aquatic sites, shown in the **Attachment 3**, include Marsden Lake North, Marsden Lake South, Rice Creek, Sunfish Lake, and Pond G. Army completed a response action for Pond G; no response actions were necessary for the other four aquatic sites.

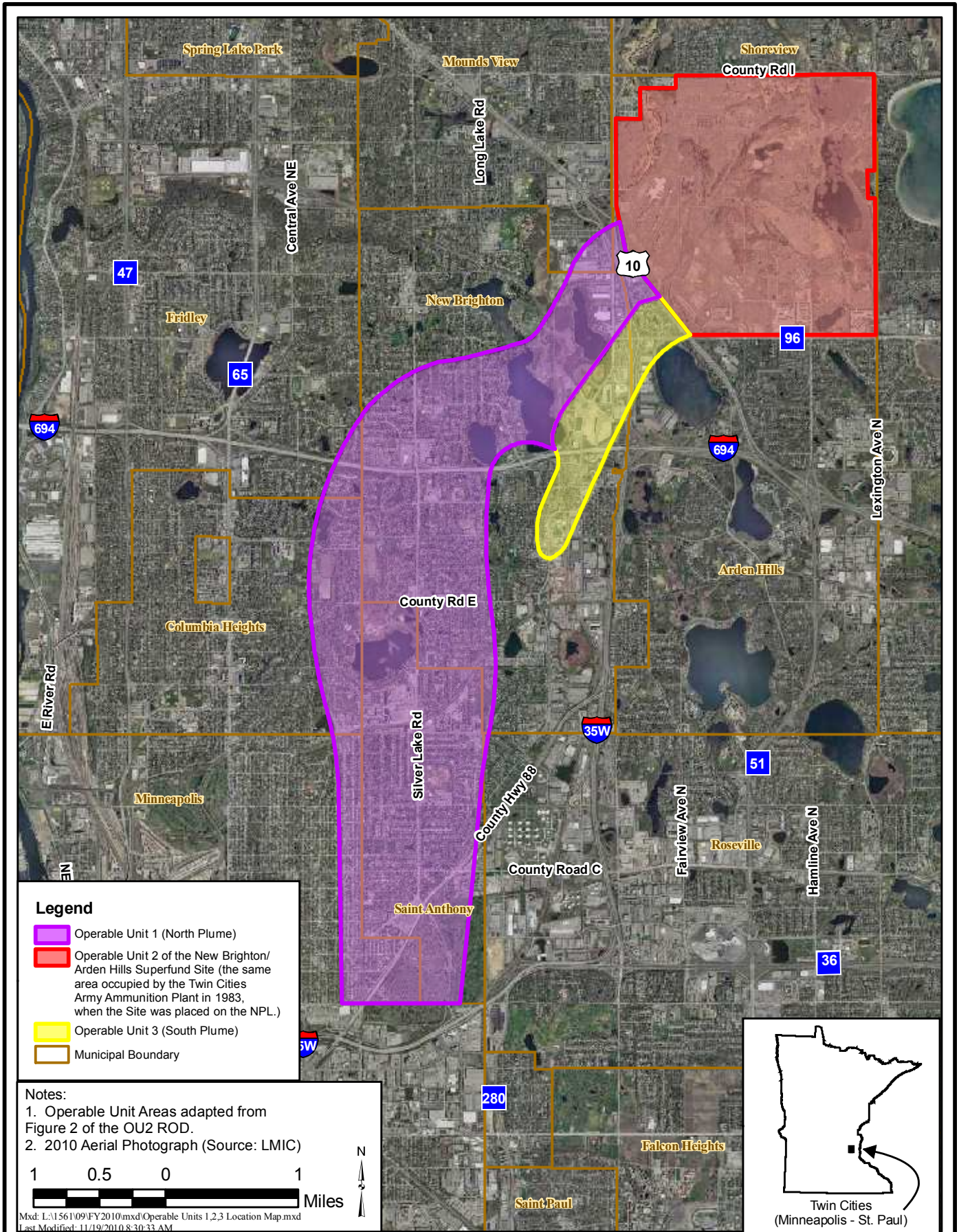
### **Federal Register Proposed Rule/Notification of Intent attached**

<https://www.regulations.gov/document?D=EPA-HQ-SFUND-1983-0002-0834>

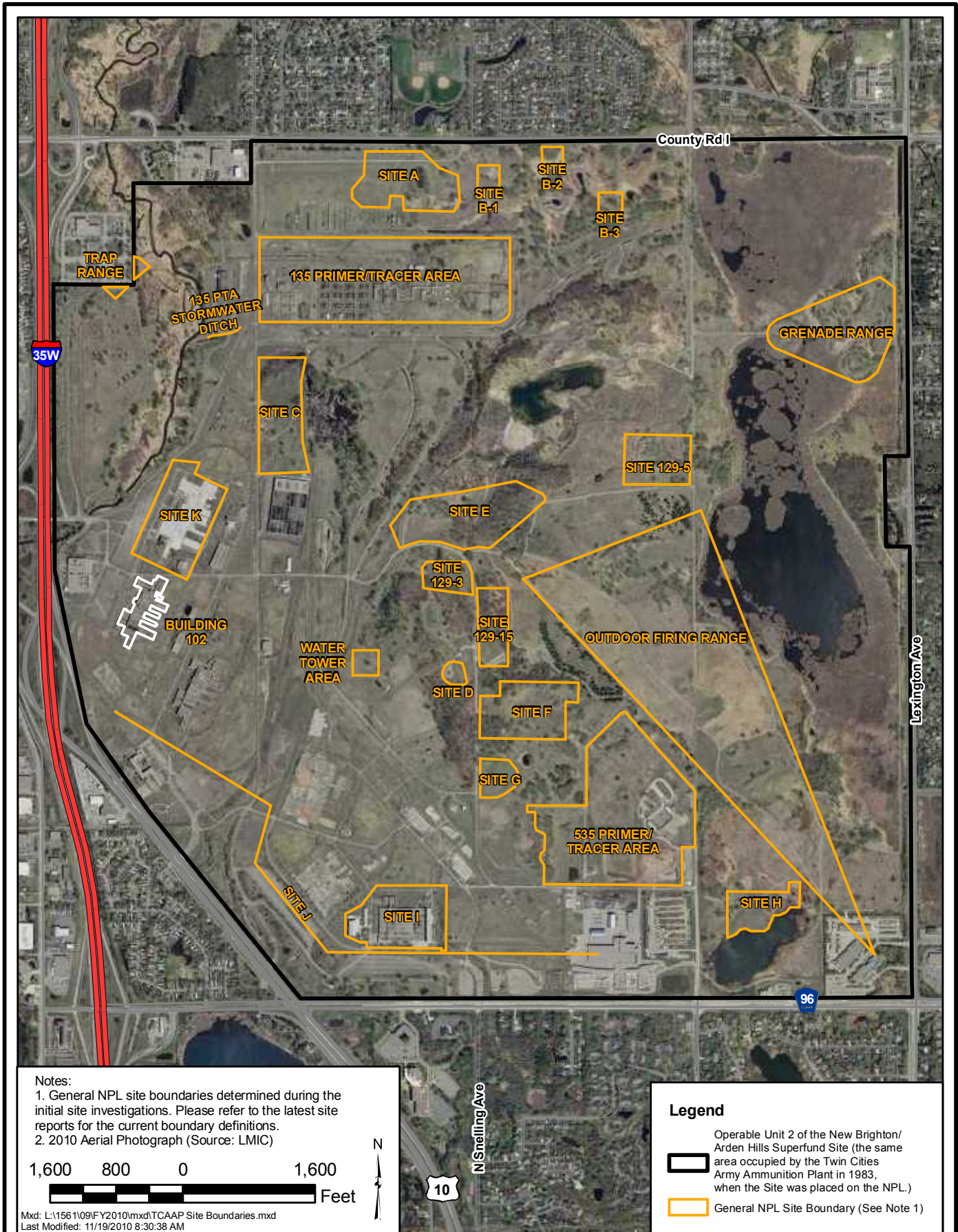
### **Federal Register Direct Final Rule attached**

<https://www.regulations.gov/document?D=EPA-HQ-SFUND-1983-0002-0886>









Notes:  
 1. General NPL site boundaries determined during the initial site investigations. Please refer to the latest site reports for the current boundary definitions.  
 2. 2010 Aerial Photograph (Source: LMIC)



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**Legend**

- Operable Unit 2 of the New Brighton/Arden Hills Superfund Site (the same area occupied by the Twin Cities Army Ammunition Plant in 1983, when the Site was placed on the NPL.)
- General NPL Site Boundary (See Note 1)





ANNUAL PERFORMANCE REPORT

OU2 Aquatic Site Locations



Engineers - Scientists  
Business Professionals  
www.wenck.com

**Wenck**

1800 Pioneer Creek Center  
Maple Plain, MN 55359-0429  
1-800-472-2232

FY 2013

Figure 11-1

Attachment 5: Final Site List for April 2020 Update to  
PLP (Sites Listed Alphabetically)

## Permanent List of Priorities (Minnesota Superfund List) -April 2020

| <u>Site Name</u>                           | <u>City</u>         | <u>County</u> |
|--|---------------------|---------------|
| 214-220 Ramsey Street                      | Hastings            | Dakota        |
| 3M Chemolite                               | Cottage Grove       | Washington    |
| 3M Oakdale Dump Sites                      | Oakdale             | Washington    |
| 55th St & Lyndale Ave S                    | Minneapolis         | Hennepin      |
| 66th St. & Vincent Ave                     | Richfield           | Hennepin      |
| Ace Signs, Inc.                            | Willmar             | Kandiyohi     |
| Arcade & Hawthorne Ave E                   | Saint Paul          | Ramsey        |
| Arrowhead Refinery Company                 | Hermantown          | St. Louis     |
| Ashland Oil - Penta Park                   | Saint Paul Park     | Washington    |
| Baytown Township Groundwater Contamination | Lake Elmo           | Washington    |
| Bell Lumber & Pole Company                 | New Brighton        | Ramsey        |
| Boise Cascade Medtronic                    | Fridley             | Anoka         |
| Boise Cascade Onan                         | Fridley             | Anoka         |
| Brooklyn Park Dump                         | Brooklyn Park       | Hennepin      |
| Bulinski Point                             | Ely                 | St. Louis     |
| Burlington Northern Tie Plant              | Baxter              | Crow Wing     |
| Burlington Northern Car Shops              | Brainerd            | Crow Wing     |
| Capri Beauty Salon                         | Byron               | Olmsted       |
| Cedar Services (MDA)                       | Bemidji             | Beltrami      |
| Cedar Services (MDA)                       | Minneapolis         | Hennepin      |
| Centerville Road Dump                      | White Bear Lake     | Ramsey        |
| Chemical Marketing Corp of America         | Minneapolis         | Hennepin      |
| Clothing Care Cleaners                     | Rochester           | Olmsted       |
| CMC Heartland Lite Yard (MDA)              | Minneapolis         | Hennepin      |
| D's Fabric Care                            | Cloquet             | Carlton       |
| Duluth Air Force Base                      | Duluth              | St. Louis     |
| Duluth Former City Dump                    | Duluth              | St. Louis     |
| Edina Well Field Site                      | Edina               | Hennepin      |
| Electric Machinery                         | Waite Park          | Stearns       |
| Esko Groundwater Contamination Site        | Esko                | Carlton       |
| Exclusive Cleaners                         | Worthington         | Nobles        |
| Farmington Ground Water Plume              | Farmington          | Dakota        |
| Finland Air Force Station                  | Finland             | Lake          |
| Fish Hatchery Dump                         | Saint Paul          | Ramsey        |
| FMC Corporation                            | Fridley             | Anoka         |
| Freeway Sanitary Landfill                  | Burnsville          | Dakota        |
| General Mills                              | Minneapolis         | Hennepin      |
| Gold Eagle Cleaners                        | Richfield           | Hennepin      |
| Gold Eagle Cleaners                        | Roseville           | Ramsey        |
| Hibbing Gas Manufacturing Plant Site       | Hibbing             | St. Louis     |
| Highway 96 Dump                            | White Bear Township | Ramsey        |

|   |                  |             |
|---|------------------|-------------|
| Hmong Shopping Center/Pilgrim Cleaners                | Brooklyn Center  | Hennepin    |
| Honeywell Inc.  | Golden Valley    | Hennepin    |
| Hospital Linen  | St. Paul         | Ramsey      |
| Isanti Solvent  | West Point       | Isanti      |
| Joslyn Manufacturing & Supply Company                 | Brooklyn Center  | Hennepin    |
| Kettle River Company - Creosote (MDA)                 | Sandstone        | Pine        |
| Lakeland Groundwater Contamination                    | Lakeland         | Washington  |
| Littlefork Groundwater Contamination                  | Littlefork       | Koochiching |
| Long Prairie Groundwater Contamination                | Long Prairie     | Todd        |
| Lyndale Avenue Corridor                               | Bloomington      | Hennepin    |
| MacGillis and Gibbs Waste Site                        | New Brighton     | Ramsey      |
| Main Street Solvent Plume                             | Biwabik          | St. Louis   |
| Mankato Plating Company                               | Mankato          | Blue Earth  |
| MIBCO Site  | Minnetonka       | Hennepin    |
| Minnegasco  | Minneapolis      | Hennepin    |
| Minnetonka Blvd & Raleigh Ave S                       | St. Louis Park   | Hennepin    |
| Minnesota Valley Landfill                             | Savage           | Scott       |
| U.S. Naval Industrial Reserve Ordinance Plant (NIROP) | Fridley          | Anoka       |
| Old Freeway Dump                                      | Burnsville       | Dakota      |
| Page & Hill (MDA)                                     | Big Falls        | Koochiching |
| Perham Arsenic Site                                   | Perham           | Otter Tail  |
| Peter Pan   | Duluth           | St. Louis   |
| Pig's Eye Landfill                                    | Saint Paul       | Ramsey      |
| Pilgrim Cleaners                                      | Brooklyn Center  | Hennepin    |
| Pine Street Dump                                      | Hastings         | Dakota      |
| Pollution Controls Inc. (PCI)                         | Shakopee         | Scott       |
| Poplar Hill Solvent Site                              | Hibbing          | St. Louis   |
| Precision Plating, Inc.                               | Minneapolis      | Hennepin    |
| Pure Oil Bulk Facility                                | Excelsior        | Hennepin    |
| Reilly Tar  | Saint Louis Park | Hennepin    |
| Reserve Mining  | Silver Bay       | Lake        |
| Rice County Dump (Former)                             | Comus            | Rice        |
| Ritari Post & Pole                                    | Sebek            | Wadena      |
| Rochester Groundwater Plume                           | Rochester        | Olmsted     |
| Schloff Chemical                                      | Saint Louis Park | Hennepin    |
| Southeast Hennepin Area Groundwater and Vapor Site    | Minneapolis      | Hennepin    |
| Southview Boulevard                                   | South Saint Paul | Dakota      |
| Spring Park Municipal Wells                           | Spring Park      | Hennepin    |
| St. Louis Park Solvent Plume                          | Saint Louis Park | Hennepin    |
| St. Louis River/U.S. Steel                            | Duluth           | St. Louis   |
| St. Louis/Interlake/Duluth Tar Site                   | Duluth           | St. Louis   |
| St. Paul Levee Property                               | Saint Paul       | Ramsey      |
| St. Regis Paper                                       | Cass Lake        | Cass        |
| Superior Plating Inc.                                 | Minneapolis      | Hennepin    |
| Twin Cities Army Ammunition Plant (TCAAP)             | Arden Hills      | Ramsey      |
| Tonka Main Plant                                      | Mound            | Hennepin    |
| Universal Plating                                     | Minneapolis      | Hennepin    |

University Ave & Pascal St.  
Valentine Clark Corp  
Waite Park Ground Water Contamination Site  
West Broadway Ground Water Contamination  
West Duluth Industrial Site  
White Way Cleaners  
Winona Groundwater Contamination

Saint Paul  
Saint Paul  
Waite Park  
Owatonna  
Duluth  
Minneapolis  
Winona

Ramsey  
Ramsey  
Stearns  
Steele  
St. Louis  
Hennepin  
Winona