From: Byers, Harris

To: Beggs, Tauren R - DNR

Subject: RE: PFAS Scoping Statement for Phase I Construction Area of River Point

Date: Tuesday, September 7, 2021 8:36:29 PM **Attachments:** Fire Department Response on River Point.pdf

Importance: High

CAUTION: This email originated from outside the organization.

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Tauren:

A response to your question below is attached.

Please review and let me know if you need anything else to support you in your meeting.

Sincerely,

Harris Byers, Ph.D.

Sr. Brownfields Project Manager

Contaminant Hydrogeologist / Urban Geochemist

Direct: 414 581-6476 Harris.Byers@stantec.com

Stantec

12075 Corporate Parkway Suite 200 Mequon WI 53092-2649



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From: Beggs, Tauren R - DNR < Tauren. Beggs@wisconsin.gov>

Sent: Tuesday, September 7, 2021 11:48 AM **To:** Byers, Harris <h > Harris.Byers@stantec.com >

Subject: RE: PFAS Scoping Statement for Phase I Construction Area of River Point

Thanks Harris

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

<u>Tauren.Beggs@wisconsin.gov</u> (preferred contact method during work at home)

From: Byers, Harris < Harris.Byers@stantec.com > Sent: Tuesday, September 7, 2021 11:47 AM

To: Beggs, Tauren R - DNR < <u>Tauren.Beggs@wisconsin.gov</u>>

Subject: RE: PFAS Scoping Statement for Phase I Construction Area of River Point

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Good morning; just letting you know I'm working on this. Paul B. has been in meetings all morning. I know he and I looked at photos of the training event – and I'm almost 100% sure I know which structure it was.....but let me confirm.

I'll send over ASAP in a short letter (figures and photos if I can get them) so you can share with your team.

Sincerely,

Harris Byers, Ph.D.

Sr. Brownfields Project Manager Contaminant Hydrogeologist / Urban Geochemist

Direct: 414 581-6476 Harris.Byers@stantec.com

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From: Beggs, Tauren R - DNR < Tauren. Beggs@wisconsin.gov>

Sent: Tuesday, September 7, 2021 8:58 AM **To:** Byers, Harris < Harris. Byers@stantec.com >

Subject: RE: PFAS Scoping Statement for Phase I Construction Area of River Point

Hi Harris,

Where was the location of the former structure that was used for fire department training activities? I am assuming I may get asked that question tomorrow.

Regards,

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

<u>Tauren.Beggs@wisconsin.gov</u> (preferred contact method during work at home)

From: Beggs, Tauren R - DNR

Sent: Tuesday, September 7, 2021 8:48 AM **To:** Byers, Harris < <u>Harris.Byers@stantec.com</u>>

Subject: RE: PFAS Scoping Statement for Phase I Construction Area of River Point

No problem, I have time to review it before tomorrow. Thanks for sending it over Harris

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

<u>Tauren.Beggs@wisconsin.gov</u> (preferred contact method during work at home)

From: Byers, Harris < <u>Harris.Byers@stantec.com</u>> **Sent:** Tuesday, September 7, 2021 8:37 AM

To: Beggs, Tauren R - DNR < <u>Tauren.Beggs@wisconsin.gov</u>>

Subject: RE: PFAS Scoping Statement for Phase I Construction Area of River Point

CAUTION: This email originated from outside the organization.

Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning – I realize I sent this late in the day on a Friday before a holiday weekend, so I wanted to put a note towards the top of your inbox to take a look at the scoping statement and call/email with thoughts on strengthening the document.

Sincerely,

Harris Byers, Ph.D.

Sr. Brownfields Project Manager Contaminant Hydrogeologist / Urban Geochemist

Direct: 414 581-6476 Harris.Byers@stantec.com

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From: Byers, Harris

Sent: Friday, September 3, 2021 4:00 PM

To: Beggs, Tauren R - DNR < <u>Tauren.Beggs@wisconsin.gov</u>>

Subject: PFAS Scoping Statement for Phase I Construction Area of River Point

Importance: High

Tauren:

From our earlier discussion, attached is a draft PFAS scoping statement for the Phase I Construction Area of River Point for your review.

Please let me know if you need additional information to present to the PFAS committee later this month.

Thanks for your continued support on the project!

Sincerely,

Harris Byers, Ph.D.

Sr. Brownfields Project Manager Contaminant Hydrogeologist / Urban Geochemist

Direct: 414 581-6476 Harris.Byers@stantec.com

Stantec 12075 Corporate Parkway Suite 200 Mequon WI 53092-2649



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Stantec Consulting Services Inc.

12075 Corporate Parkway Suite 200, Mequon WI 53092-2649

September 7, 2021

Attention: Tauren Beggs

Remediation and Redevelopment Program Wisconsin Department of Natural Resources 2984 Shawano Ave Green Bay, WI 54313

Dear Mr. Beggs,

Reference: Fire Department Response During Explosive Demolition of a Former Grain Elevator

1101 Buffalo Street

River Point District - Phase I Construction Area

Manitowoc, Wisconsin

BRRTS ID: 02-36-585491 (Open ERP); 07-36-583000 (LGU Exemption/ General Property)

Stantec Project #: 193708427

The Stantec (2021b) Summary of Prior Site Operations and PFAS Scoping Statement letter evaluated the potential historic uses of per- and polyfluorinated alkyl substances (PFAS) in the Phase I Construction Area (outlined in green on Figure 1) at the River Point District (outlined in yellow on Figure 1) in the City of Manitowoc, Wisconsin. The Phase I Construction Area relative to historic leases issued by the former property owner (Wisconsin Central Limited) to previous industrial tenants (defined as unique parcel identification numbers) is illustrated on Figure 2.

Former Grain Elevator. In following up to our email discussion today, this letter describes a supplemental review of records related to the City of Manitowoc Fire Department's response to a building fire accidentally initiated by the prior owner during demolition of a grain elevator formerly located at 1101 Buffalo Street (PIN No. 000173080; Figure 2). Depending on the georeferencing of historic maps/orthophotographs, the eastern portion of the former grain elevator may be located within the Phase I Construction Area (Figure 3).

Sanborn® Fire Insurance Maps indicate a multi-story grain elevator was constructed on PIN 000173080 between 1894 and 1900, with expansion between 1900 and 1906 by the "Northern Grain Co". Significant expansion occurred between 1906 and 1919 by the "Northern Elevator Co." Historic City Directories published in 1964 and 1967 confirm the "Northern Elevator" was located at 1101 Buffalo Street. The occupants listed at 1101 Buffalo Street in subsequent City Directories included "Enreco Natural Feeds" (1990, 1992, 1995, 2000) and "Enreco, Inc." (2000 and 2001). Photographs (date unknown) of the structure when the grain elevator was occupied by Enreco are shown below.



Source: Stantec (2019) Phase I Environmental Site Assessment; Appendix E.

Fire Department Response. As noted in the Stantec (2019) Phase I ESA, the grain elevator had fallen into disrepair in the late 20th Century, and a demolition permit was issued to Wisconsin Central LTD on February 5, 2001. Utilities were disconnected from the structure in April 2001 and the building was subsequently demolished using explosives. During demolition, records indicate grain residues in the structure combusted



September 7, 2021 Page 2 of 2

Reference: Fire Department Response During Explosive Demolition of a Former Grain Elevator; 1101 Buffalo

Street; River Point District - Phase I Construction Area; Manitowoc, Wisconsin

and the building caught fire. The City of Manitowoc Fire Department responded to manage risks to nearby structures. City records do not indicate the City of Manitowoc Fire Department used aqueous film forming foam (AFFF) during their management of the fire at the structure.

Groundwater Quality Near the Former Grain Elevator.

Use of AFFF to manage fires could result in a release of PFAS compounds to the subsurface. The two predominant PFAS compounds associated with AFFF are perfluorooctane sulfonate (PFOS) and perfluorohexane sulfonate (PFHxS). The concentrations of these two fluorinated compounds in groundwater (adapted from the Stantec (2021) *ch. NR 716 Site Investigation Report*) near the former grain elevator are summarized on Figure 3.

The potentiometric surface of shallow groundwater decreases in a southwestern direction from the former grain elevator. The concentrations of PFOS and PFHxS in groundwater from the nearest downgradient/sidegradient monitoring wells, where detected, are mostly single digit nanogram per kilogram concentrations.

Given the absence of records indicating AFFF was used onsite and the magnitude and gradient of detected compounds in groundwater, the "source" of detected PFAS compounds in groundwater does not appear to be located in the Phase I Construction Area. Therefore, PFAS are not considered constituents of concern for the ch. NR 716 Site Investigation on this portion of the River Point District. Stantec requests a written response from the WDNR which concurs with these findings.

Regards,

STANTEC CONSULTING SERVICES INC

Harris L. Byers, Ph.D.

Havis I Byers

Sr. Brownfields Project Manager Email: Harris.Byers@Stantec.com

Attachments: Figures

SELECT REFERENCES

ITRC, 2020 (September), "Per- and Polyfluoroalkyl Substances (PFAS)." https://pfas-1.itrcweb.org/

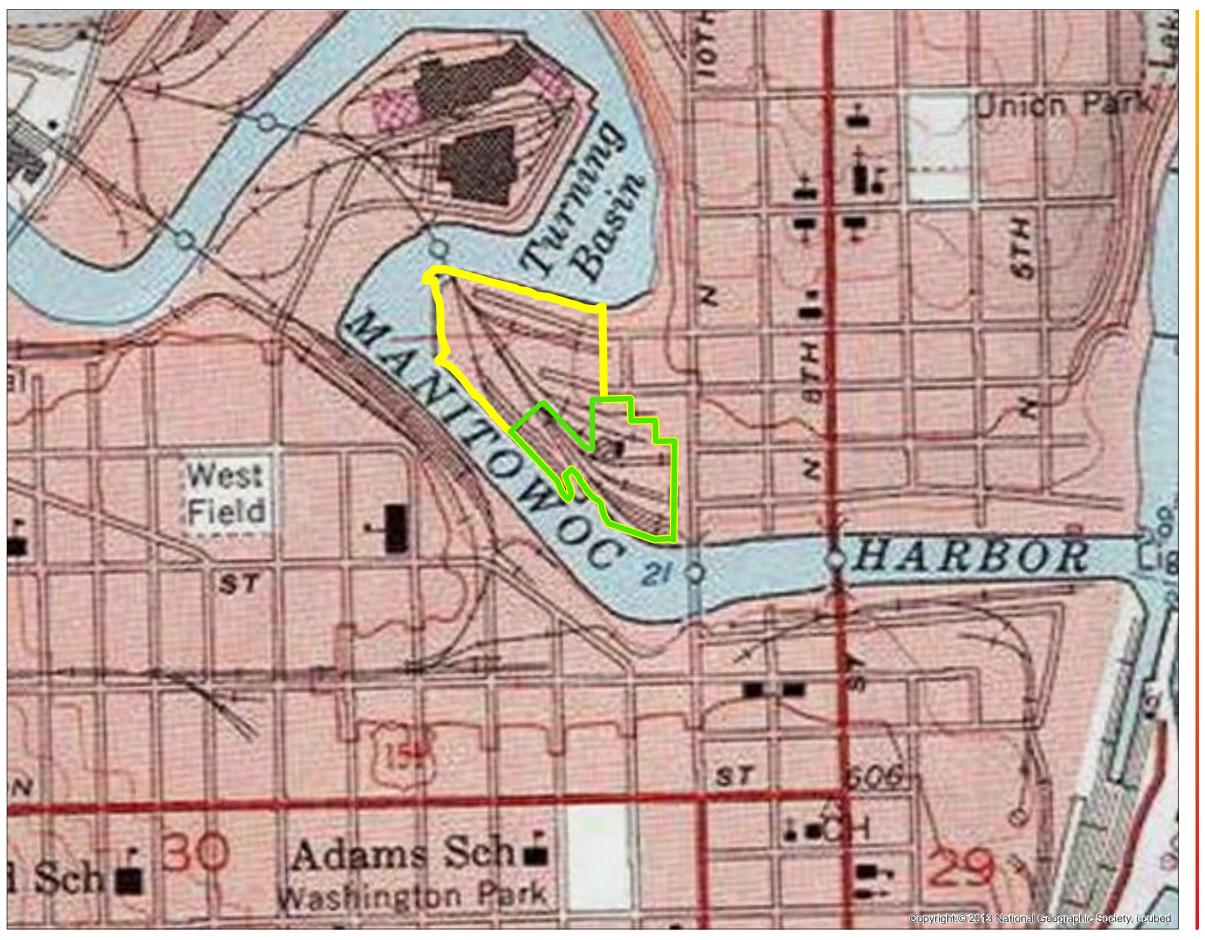
Stantec, 2019, 10th Street Railroad Property, Manitowoc, Wisconsin, Phase I Environmental Site Assessment, March 21, 2019.

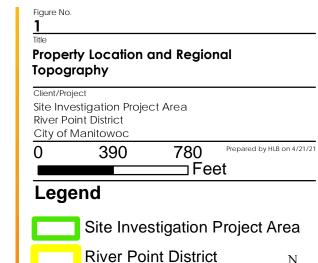
Stantec, 2021a, NR716 Site Investigation Report, River Point District Phase 1 Construction Area; Manitowoc, Wisconsin, July 19, 2021.

Stantec, 2021b, Summary of Prior Site Operations and PFAS Scoping Statement, September 3, 2021.



FIGURES





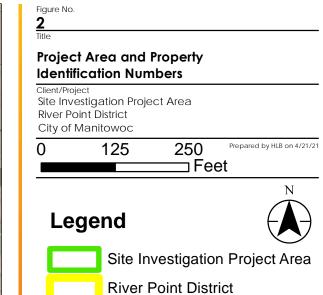
- 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803
- Feet

 2. Historic Site features illustrated on this figure were digitized from multiple historic maps/sources, including City Assessor files, WDNR files, and Sanborn (R) Fire Insurance Maps. These features are provided for illustration purposes only: Stantec makes no warranty as to the accuracy of these features.

 3. Orthophotograph: Manitowoc County, 2017







Parcel Identification Numbers

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
 Orthophotograph: Manitowoc County, 2017



