From: Carman, Eric <Eric.Carman@tetratech.com>
Sent: Thursday, November 17, 2022 1:17 PM
To: Schrank, Jayson S - DNR; Britta Chambers
Cc: Kristin Colberg
Subject: RE: Notice of Upcoming Shallow Soil Sampling, 3M Menomonie, DNR BRRTS #02-17-590808

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Mr. Schrank and Mrs. Chambers,

I am happy the two of you were able to speak yesterday regarding the schedule and scope of the 3M Menomonie project. Mr. Schrank, I am confirming that Tetra Tech has been retained by 3M to perform the activities on their behalf, as described in the message below.

If you need anything further from Tetra Tech to document our involvement, please let us know.

Sincerely,

Eric

Eric Carman, PG Tetra Tech
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From: Britta Chambers <bchambers2@mmm.com>
Sent: Thursday, November 17, 2022 12:30 PM
To: Schrank, Jayson S - DNR <jayson.schrank@wisconsin.gov>
Cc: Kristin Colberg <kcolberg@mmm.com>; Carman, Eric <Eric.Carman@tetratech.com>; LiJane Brunner <lhbrunner@mmm.com>; Bradley Luedtke <bdluedtke@mmm.com>
Subject: Notice of Upcoming Shallow Soil Sampling, 3M Menomonie, DNR BRRTS #02-17-590808

Dear Mr. Schrank,

Thank you for speaking with me yesterday regarding the 3M Menomonie project. The purpose of this email is to notify you in writing that 3M will be performing initial shallow soil sampling in portions of the site ahead of the onset of winter conditions. This work is being performed by our consultant for the project, Tetra Tech, Inc. (Tetra Tech), and is tentatively scheduled to begin the week of November 28, 2022.

The work will be more fully described in an upcoming Site Investigation Work Plan prepared in accordance with NR 716.07 and 716.09 Wisconsin Administrative Code as specified in your October 25, 2022, letter for site activities associated with BRRTS #02-17-590808. The complete Site Investigation Work Plan scope will include shallow soil borings, deep soil borings, and monitoring well installation. This email notice is provided in advance of the Site Investigation Work Plan in anticipation of the on-set of winter conditions which may prohibit the collection of shallow soil samples. Deeper soil and groundwater sample collection activities are typically less impacted by cold weather and are anticipated for completion in early 2023. A brief description of the proposed shallow soil sample collection and analysis follows:

- An anticipated total of 22 soil samples will be collected from locations shown on attached Figure 1. The locations have been selected to aid in characterizing soil in berms at the facility and in stormwater drainage areas on the western and southern portion of the facility. In addition to the 22 soil samples shown on Figure 1, a background soil sample will be collected on the northwest (upwind) side of the 3M property.
- Soil samples will be collected from shallow soil borings advanced using a stainless-steel hand auger in accordance with ASTM D1452-09. Samples collected for laboratory analysis will be collected from an average depth of 1.5 feet (ft) below land surface (bls) to 2 ft bls. The stainless-steel hand auger will be decontaminated between each of the sampling areas using distilled water with Alconox detergent followed by a distilled water rinse. All wash and rinse water will be containerized in a 55-gallon drum pending the receipt of the laboratory analysis. No other investigative derived waste will be generated during the sampling initiative.
- Soil samples will be submitted for analysis of Per- and Polyfluoroalkyl substances (PFAS), volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and RCRA 8 metals. In addition, two soil samples collected from within a stormwater drainage area on the northwest side of the facility will be analyzed for polychlorinated biphenyls (PCBs). Samples for PFAS will be submitted to the PACE Analytical Services, LLC (Pace) laboratory in Minneapolis, Minnesota using EPA Method 537.1 by isotope dilution for the 33 PFAS analytes required by the State of Wisconsin. The other samples will be submitted to the Pace laboratory in Green Bay, Wisconsin. Method SW846 8260B will be used for analysis of samples for VOCs and PAHs will be analyzed using SW846 8270. RCRA 8 metals will be analyzed using SW846 6010 and 7470 for mercury. Soil samples will be analyzed for PCBs using Method SW846 8082A.
- Quality Assurance and Quality Control (QA/QC) samples will include field duplicates, one equipment rinsate blank, and one field blank collected per each 10 samples. The equipment blank will be collected by pouring laboratory supplied PFAS-free water over the decontaminated auger bucket and into a laboratory-supplied container. The field blank will be collected by pouring laboratory provided PFAS-free water into a laboratory-supplied container. Samples will be placed in a cooler containing wet ice and will be shipped to the PACE laboratories in Minneapolis, Minnesota (PFAS) and Green Bay, Wisconsin (all other analytes) under chain-of-custody for standard turn-around times.

- Final analytical results will be submitted to you in a Status Report, anticipated for Q1 2022.

Last, 3M would like to enroll this project in the Fee-based Technical Review program in accordance with NR 749. Should the Technical Review application (i.e. Form 4400-237) be completed via the online DNR portal or should it be submitted to you directly?

We will keep you updated on the progress of our upcoming fieldwork and the Site Investigation Work Plan preparation. If you have questions in the interim, please do not hesitate to contact me.

Thank you,

Britta

Britta Chambers | Advanced Environmental Scientist
3M Environment, Health, Safety and Product Stewardship - Corporate Environment
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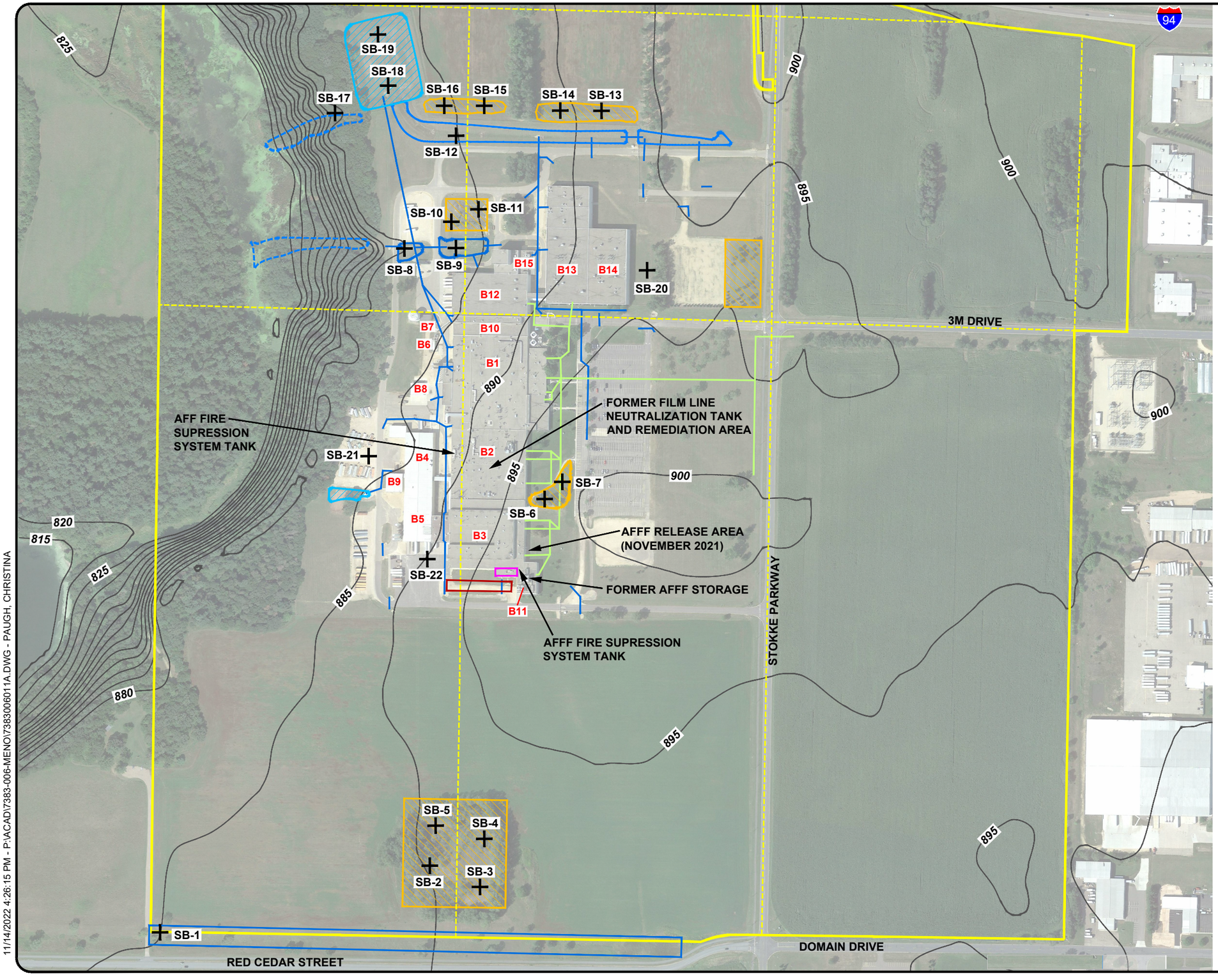

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LEGEND

- Site Boundary
- Parcel Boundaries
- B7 Building Number
- Berm / Fill Area
- Fire Training Area
- Red Label Room
- Stormwater Infiltration Pond
- Stormwater Drainage Feature
- Former Stormwater Drainage Ditch
- Sanitary Sewer
- Stormwater Conveyance
- 900 5-Foot Contour (USGS, 2018)
- SB-1 Location of Hand Auger Borings

SOURCE:
AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, DATED AUGUST 2021.

0 200 400 800
Feet

Bar Measures 1 inch

TETRA TECH
www.tetratech.com
2001 KILLEWBREW DRIVE, SUITE 141
BLOOMINGTON, MN 55425
PHONE: 612.643.2200

MARK	DATE	DESCRIPTION	BY

3M MENOMONIE PHASE II INVESTIGATION
1425 STOKKE PARKWAY
MENOMONIE, WISCONSIN 54751

LOCATION OF HAND AUGER BORINGS

Project No.:	117-7383006
Designed By:	EC
Drawn By:	CP
Checked By:	EC

FIGURE
1

11/14/2022 4:26:15 PM - P:\ACAD\7383-006-MENO\7383006011A.DWG - PAUGH, CHRISTINA