

April 27, 2022  
File No. 25221094.00

Mr. Matt Vitale  
Wisconsin Department of Natural Resources  
1300 W Clairemont Ave.  
Eau Claire, WI 54701-6127

Subject: PFAS Sampling Work Plan  
Blackhawk Drycleaners, 700 East Blackhawk Ave., Prairie du Chien, WI  
BRRTS #02-12-552357

Dear Mr. Vitale:

SCS Engineers (SCS) has prepared the following Work Plan for sampling of per- and polyfluoroalkyl substances (PFAS) at the above-noted Blackhawk Drycleaners site. We request written concurrence with the Work Plan.

## **BACKGROUND**

Site monitoring wells were previously sampled for PFAS and results were submitted to the Wisconsin Department of Natural Resources (WDNR) on January 25, 2022, and March 24, 2022. Based on follow up e-mail communications with you, we understand that the WDNR is requiring one additional round of groundwater sampling for PFAS. The sampling should include monitoring wells which have exhibited a combined concentration of perfluorooctanoic acid (PFOA) plus perfluorooctanesulfonic acid (PFOS) near or above 20 parts per trillion (ppt) plus one downgradient well.

## **PROPOSED SCOPE OF WORK**

### Groundwater Sampling

We propose that monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, and MW-8 be sampled for PFAS. With MW-8 serving as the down gradient well. Monitoring well locations are shown on attached **Figure 1**. The samples will be collected using either dedicated bailers or low-flow sampling methods consistent with Wisconsin Administrative Code, Chapters NR 140.16 and NR 716.13. The samples will be submitted to Eurofins for analysis of the 33 PFAS listed in WDNR's March 1, 2021 PFAS Update.

Monitoring well purge water will be contained and discharged to the City of Prairie du Chien sanitary sewer with City approval. Results will be reported to the WDNR in a subsequent Site Investigation Update.

### Soil Sampling

No soil sampling for PFAS is proposed given the ubiquitous nature of PFAS in the environment, the relatively low concentrations found in groundwater which suggest there would be limited soil impacts, the lack of a generic soil to groundwater pathway standard, and relatively high direct



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contact standards. For example, the non-industrial direct contact standard for PFOA plus PFOS is 1.26 by 10E6 ppt or five orders of magnitude higher than the highest concentration of PFOA plus PFOS detected in groundwater (77 ppt).

We request that the WDNR respond in writing to the above-noted scope of work.

Please contact Robert Langdon at (608) 212-3995 or [rlangdon@SCSEngineers.com](mailto:rlangdon@SCSEngineers.com) if you have any questions concerning this letter.

Sincerely,



Robert Langdon  
Senior Project Manager  
SCS Engineers



Mark R. Huber, PE  
Project Director  
SCS Engineers

REL/AJR/EO/MRH

cc: Garth Frable, City of Prairie du Chien

Attachments: Figure 1 – Water Table Map, February 16, 2022

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Figure 1

Water Table Map – February 16, 2022

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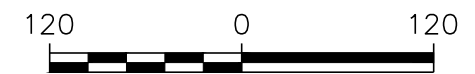


**LEGEND**

- SITE BOUNDARY
- FORMER DRY CLEANERS BUILDING (APPROXIMATE)
- MONITORING WELL (BAY WEST, 2020)
- ABANDONED MONITORING WELL (ADVENT, 1991)
- MONITORING WELL (SCS, 2021)
- PIEZOMETER (SCS, 2021)
- 615.09** WATER TABLE ELEVATION MEASURED ON FEBRUARY 16, 2022
- WATER TABLE CONTOUR
- APPROXIMATE GROUNDWATER FLOW DIRECTION

**NOTES:**

- SEE FIGURE 2 FOR BASE MAP NOTES AND LEGEND ITEMS.
- MW-1 GROUNDWATER ELEVATION NOT USED FOR CONTOURING DUE TO CHANGE IN TOP OF CASING ELEVATION.



SCALE: 1" = 120'



CLIENT PRAIRIE DU CHIEN REDEVELOPMENT AUTHORITY	PROJECT NO.	25221094.00	ENGINEER	WATER TABLE MAP – FEBRUARY 16, 2022	FIGURE 1
	DRAWN:	03/08/2022	REL		
	REVISED:	03/23/2022	REL. 4/27/2022		
SITE BLACKHAWK JUNCTION REDEVELOPMENT 700 EAST BLACKHAWK AVENUE PRAIRIE DU CHIEN, WISCONSIN		ENGINEER		SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	