



444 21st Street South · La Crosse, Wisconsin · 54601

October 28, 2019

Board of Public Works

DRAFT Site Investigation Work Plan

La Crosse Municipal Wells 23 & 24

Source, type and amount of contamination

- Polyfluoroalkyl Substances (PFAS)
- Presumably from firefighting foam
- Firefighting training conducted at test burn pits at LSE from the 1970s through ~ 1988.
- According to Assistant Chief Murphy, no foam used during practice drills for about 25 years, and at some point, the pits were re-constructed with concrete containment.

Environmental Media Affected or Potentially Affected

- Groundwater - known impact - contaminant in samples of wells 23 and 24
- Soil - Implied – Test Burn Pits
- Black River Surface Water – potential

Receptors

- Water Supply Wells - Documented impacts to Well 23 triggered the re-opening of the Case
- Black River

Scope of Work

Initial Objective:

- Define the extent and degree of PFAS contamination in the soils and groundwater
- Identity whether detectable impacts to the Black River

Assumptions

- PFAS contamination originated from the same burn pits
- Groundwater contamination following same path as the VOC contamination

Surface Water Investigation

- One (1) background surface water sample -upstream from Wells 23 & 24
- One (1) downstream surface water sample

Soil Investigation

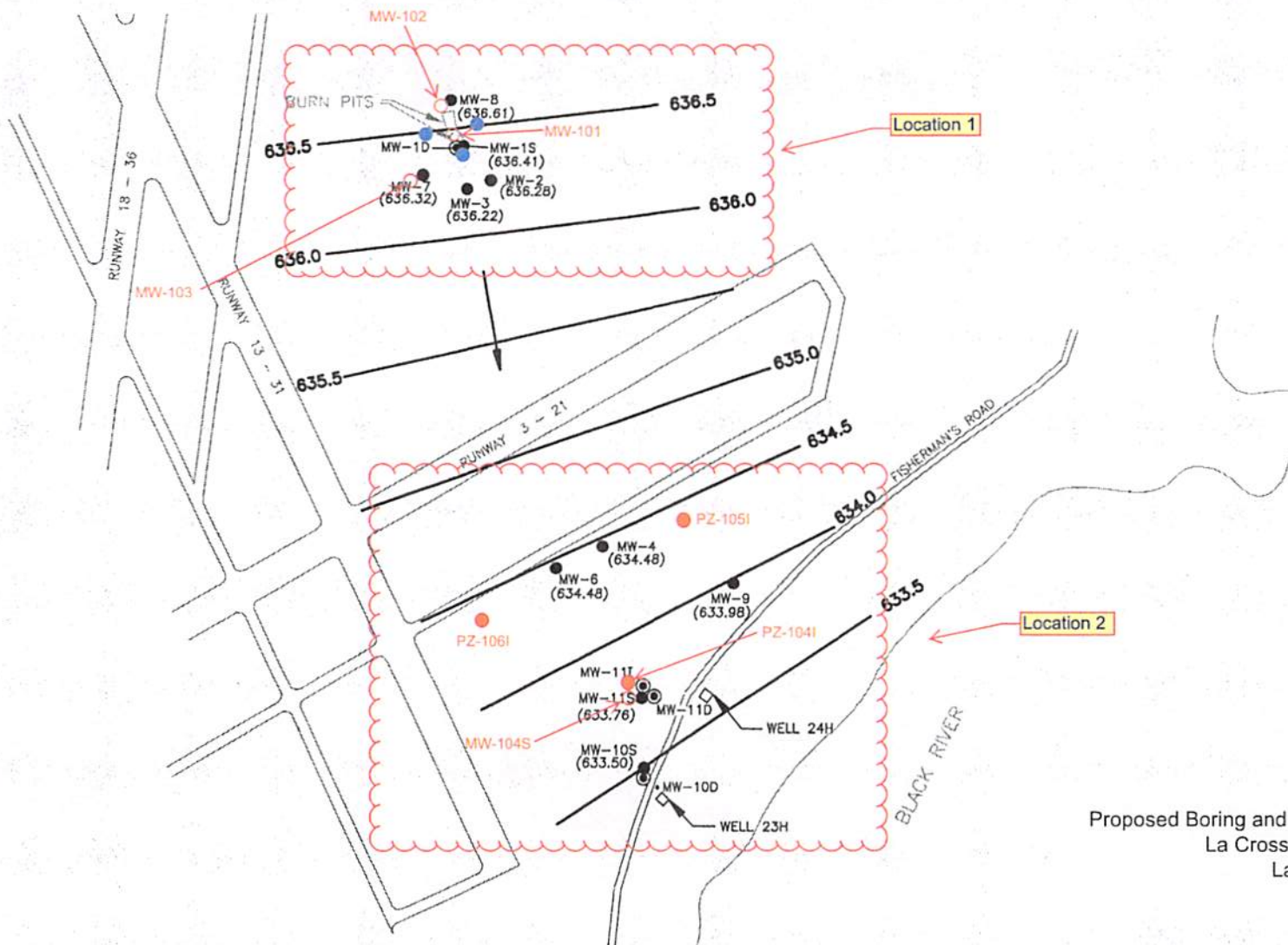
- 5 soil borings around burn pits (Location 1)

Groundwater Investigation

- 3 water table monitoring wells at burn pits (Location 1)
- 1 water table monitoring well upstream of Wells 23 & 24
- 3 intermediate piezometers (monitoring wells) upstream of Wells 23 & 24

Analytical Method and Analytes

- Modified EPA method 537
- No labs are certified to perform
- 36 compounds per WDNR’s PROPOSED - Wisconsin PFAS Method Criteria
 - Only 2 labs in US have this capability



LEGEND

● MW-11S	WATER TABLE WELL
⊙ MW-11I MW-11D	PIEZOMETER
(636.61)	WATER TABLE ELEVATION (FEET, NGVD)
— 636.5	WATER TABLE CONTOUR
←	DIRECTION OF GROUNDWATER FLOW
○	Proposed Monitoring Well
●	Proposed Piezometer
●	Proposed Soil Boring

- NOTES**
1. SURVEY DATA PROVIDED BY THE CITY OF LA CROSSE ON 7/14/94.

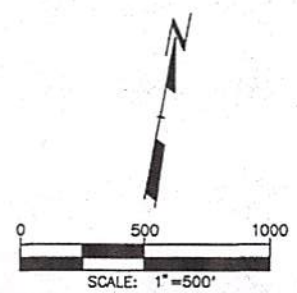


Figure 3
Proposed Boring and Monitoring Well / Piezometer Locations
La Crosse Municipal Well 23 and 24
La Crosse, Wisconsin

Figure modified by The OS Group, LLC on 10/25/19

RMT INC.	DWN. BY: DPR
	APPROVED BY: <i>PEH</i>
	DATE: NOVEMBER 1994
	PROJ. # 3051.03
	FILE # 30510305

FIGURE 5

Scale = 1" = 500.000000