

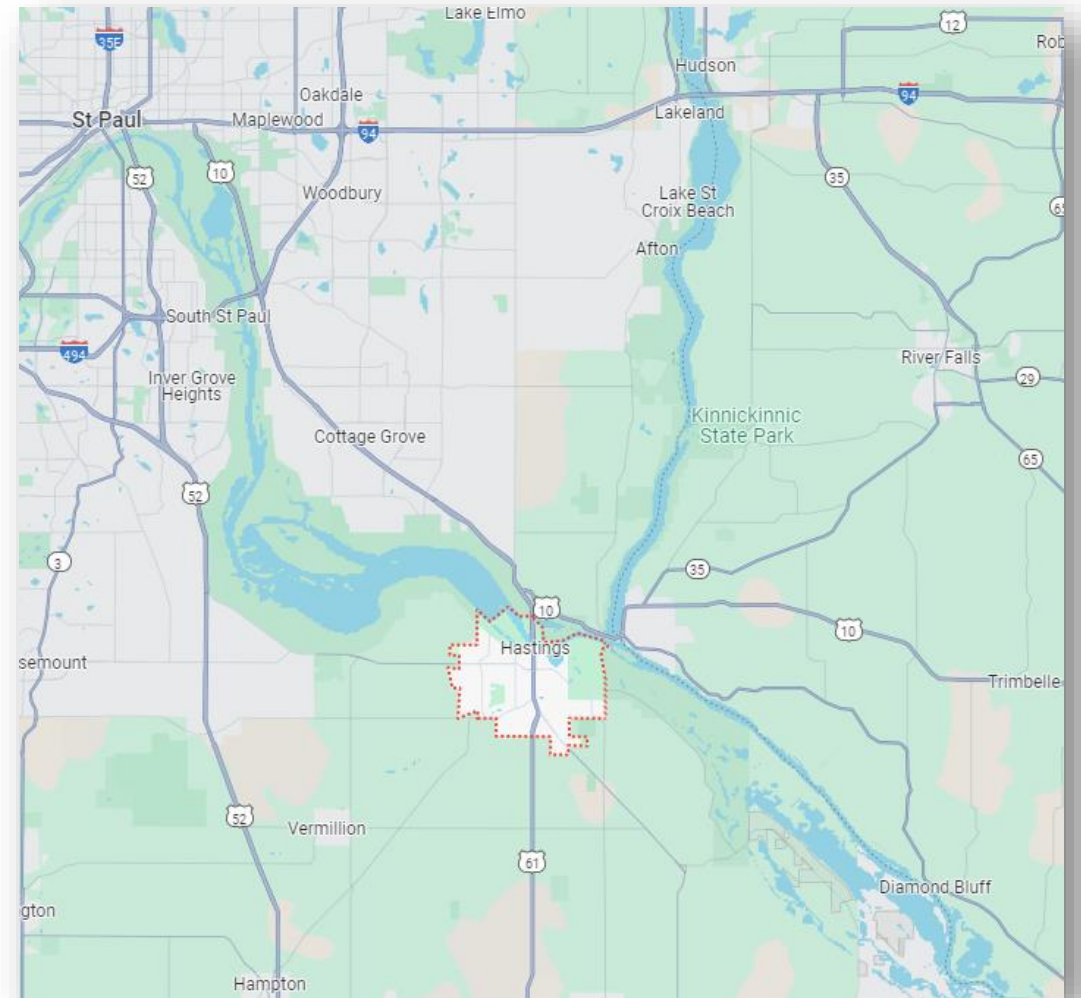


Hastings and Settlement eligibility

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3M PFAS Settlement Work Group Meeting
November 20, 2024

Settlement eligibility Part 1

- The Co-Trustees have determined that PFAS treatment for one of Hastings' municipal wells (Well 5) is eligible for 3M Settlement funds
 - Work group members were informed by email on October 4th, 2024
- Hastings is now part of the Government – 3M work group



Settlement eligibility Part 2

- For a community to be Settlement-eligible, there must be a clear connection between PFAS contamination and one of the four 3M sites: Cottage Grove, Woodbury, Oakdale, or the Washington County landfill
- This is the same criteria used to allow other communities to be eligible for the 3M Settlement funds that were not specifically named in the Settlement (e.g., Lakeland, Lakeland Shores, Maplewood, Prairie Island Indian Community, and Denmark Township)
 - The Co-Trustees have used the same process in this determination for Hastings' Well 5
- Hastings will be using the same process to determine eligible expenses as all other communities do for their projects

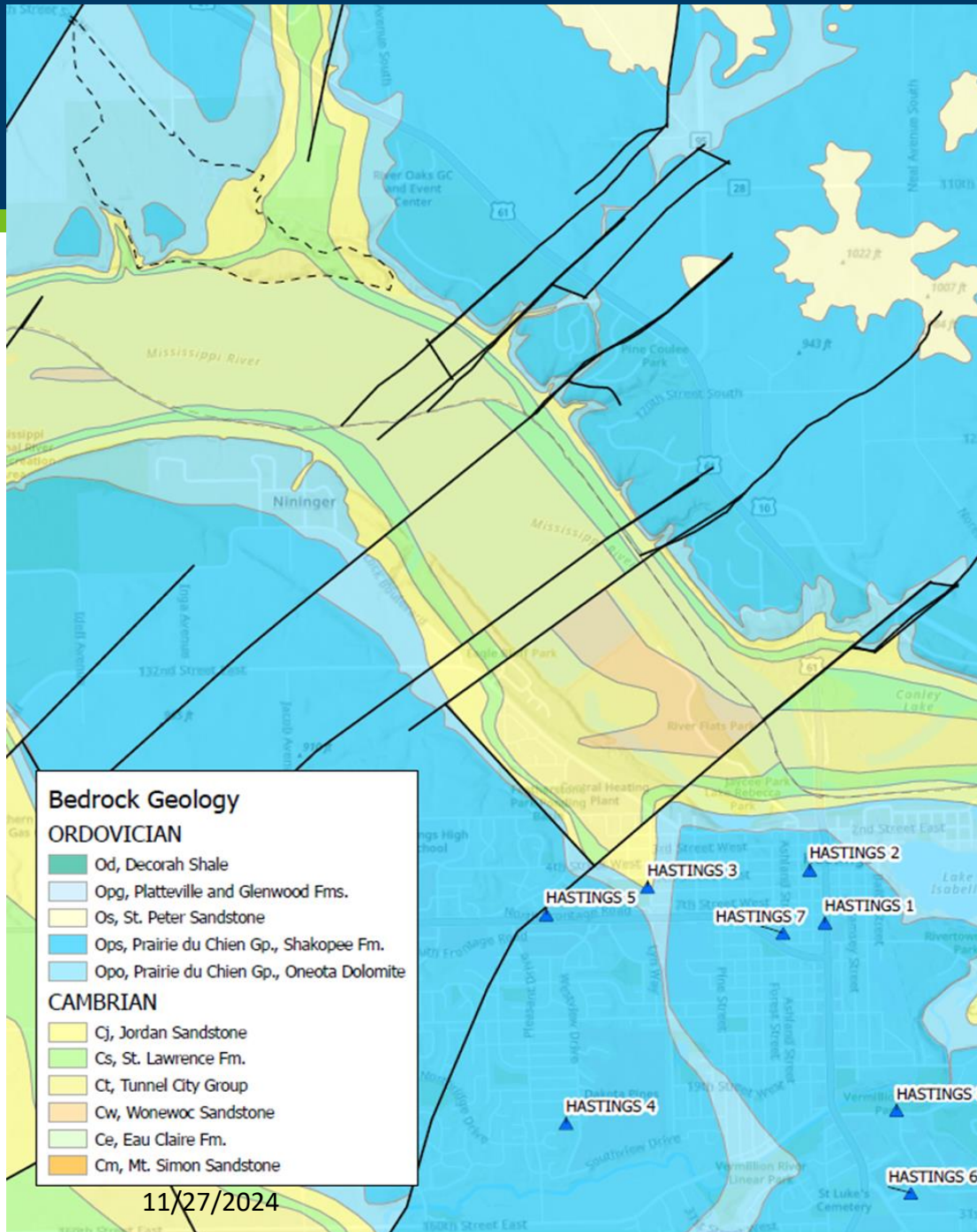
Site Assessment process

- MPCA followed the established Site Assessment process to find a connection between PFAS contamination in Well 5 and the PFAS at the 3M Cottage Grove facility (facility)
- Connections between the facility and Hastings' Well 5 include:
 - A specific PFAS compound (TFSI) was found in Well 5 and is currently manufactured at the facility
 - There is a major fault line extending from the Mississippi River through Hastings very close to Well 5
 - Isotope analysis shows that Well 5 pulls in some surface water, not just groundwater, when pumping

Bis(trifluoromethane)sulfonimide (TFSI)

- The 3M Cottage Grove facility is the only manufacturer of TFSI in Minnesota
- 3M submitted a study in 2023 showing that TFSI was found in several locations at the 3M Cottage Grove facility and in the Mississippi River
- TFSI was found in Well 5 and other locations in Hastings (monitoring and irrigation wells)

Geology – fault line



- Primary groundwater flow direction is towards the Mississippi River
- However, there are underground features (faults and fractured rock) that may provide transport pathways for contamination to travel towards Hastings
- One major fault travels through the Mississippi River, through Lake Rebecca and next to Well 5

Isotope analysis

- Stable isotope analysis can show differences between surface waters and groundwater
- Interested in understanding if municipal wells might be pulling in water from surface water bodies, including PFAS contamination from those water bodies
- Samples were collected from the Mississippi River, Vermillion River, Lake Rebecca, Hastings' municipal wells, and irrigation wells
- Analysis showed that Well 5 is pulling in some water from surface water sources

Summary/3M efforts

- MPCA believes there is a connection between the PFAS from the facility and the PFAS in Hastings' Well 5 based on detections of TFSI at the facility and Well 5, the major fault running through the river and next to Well 5 providing a transport pathway, and the results of the isotope analysis showing Well 5 is pulling in surface water
- More data is needed to understand impacts from the facility to the other municipal wells in Hastings
- MPCA required 3M to complete an evaluation to determine if the facility is impacting Hastings' other municipal wells
- MPCA requested 3M to enroll in the Cooperative Responsible Party (CRP) program to complete the ongoing investigation and conduct remedial actions

Thank you!

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