# McLouth Steel Corp. Trenton PFAS Site Investigation

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# Background

- Former steel mill
- Numerous historic investigations and cleanup actions
- Several historic fires have been reported at the facility that utilized aqueous film-forming foam (AFFF) to extinguish.
- Placed on National Priorities List (NPL) in May 2019
- Remedial Investigations began in July 2023.



### **Groundwater Results**

- 30 monitoring wells sampled for PFAS
- 145 total detections of PFAS compounds
- 69 of the detected PFAS were above criteria.
- Maximum concentration detected for each:
  - PFHxS 1,900 ppt (compared to 51 ppt)
  - PFNA 8.46 ppt (compared to 6 ppt)
  - PFOS 6,670 ppt (compared to 16 ppt)
  - PFOA 230 ppt (compared to 8 ppt)

Site listed as a Michigan PFAS Action Response Team (MPART) site on September 16, 2024

# Michigan's Drinking Water and Groundwater Cleanup Standards

Compound	Standards		
PFNA	6 ppt		
PFOA	8 ppt		
PFOS	16 ppt		
PFHxS	51 ppt		
GenX (HFPO-DA)	370 ppt		
PFBS	420 ppt		
PFHxA	400,000 ppt		

# Michigan Surface Water Quality Values

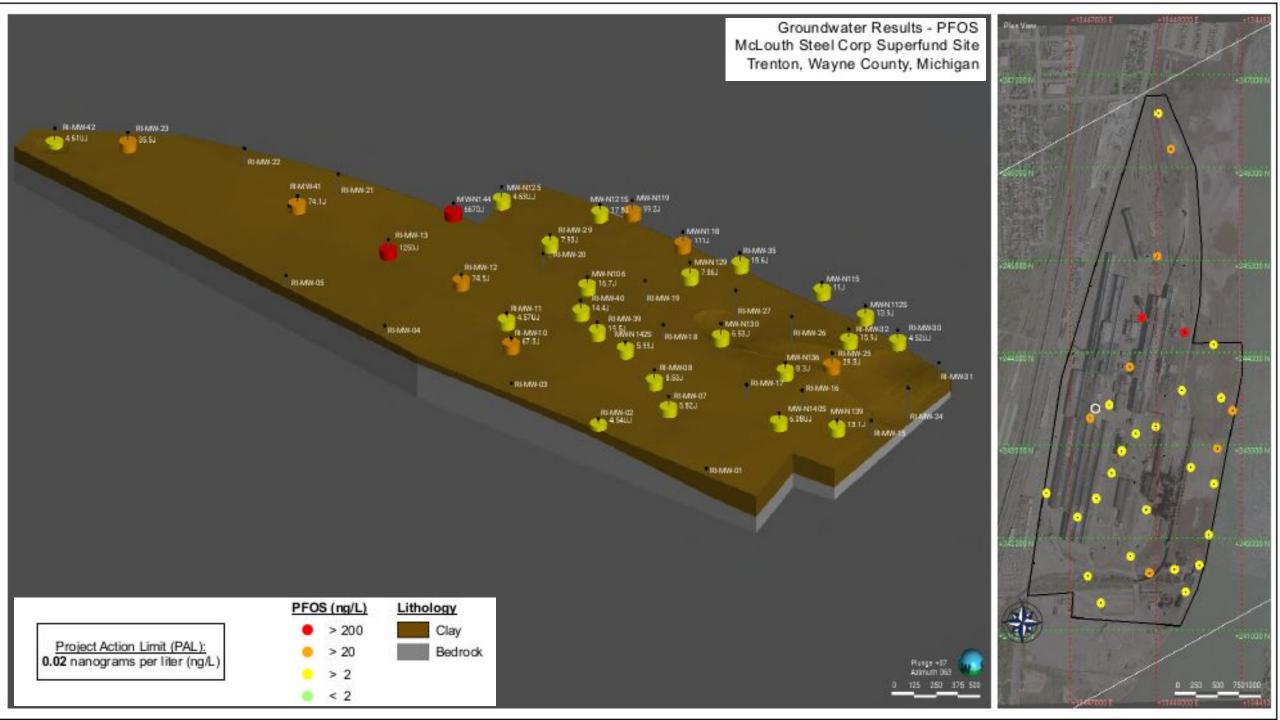
Compound	Water Quality Value	
PFNA	30 ppt	
If Drinking Water Source	19 ppt	
PFOA	170 ppt	
If Drinking Water Source	66 ppt	
PFOS	12 ppt	
If Drinking Water Source	11 ppt	
PFHxS	210 ppt	
If Drinking Water Source	59 ppt	
PFBS	670,000 ppt	
If Drinking Water Source	8,300 ppt	

Michigan's Rule 57 Water Quality Values apply to NPDES discharges



# EPA Drinking Water Maximum Contaminant Levels (MCLs)

Compound	Final MCLG	Final MCL (enforceable levels)
PFOA	Zero	4.0 parts per trillion (ppt) (also expressed as ng/L)
PFOS	Zero	4.0 ppt
PFHxS	10 ppt	10 ppt
PFNA	10 ppt	10 ppt
HFPO-DA (commonly known as GenX Chemicals)	10 ppt	10 ppt
Mixtures containing two or more of PFHxS, PFNA, HFPO-DA, and PFBS	1 (unitless) Hazard Index	1 (unitless)  Hazard Index



# Next Steps

- Complete soil and groundwater sampling for Year Two of the Remedial Investigation starting in Fall 2024 will include:
  - Collecting one soil sample per new boring location at 1 to 2 feet below ground surface for analysis of PFAS.
  - Completing a PFAS analysis on groundwater samples collected from all newly installed monitoring wells and any existing monitoring wells not previously analyzed for PFAS.

## **Public Water Supply**

- The McLouth Steel Corp., in Trenton, MI, Wayne County, is served by the Great Lakes
  Water Authority, which is a community water supply (CWS) that provides water to several
  smaller public water supply systems.
  - The Great Lakes Water Authority (Southwest TP102) CWS is currently on annual monitoring with non-detections for all tested PFAS.
  - Wyandotte (TP100) CWS serves areas to the north of the site and is currently on quarterly monitoring with past results consistently below current maximum contaminant levels for PFOA (a single result) and non-detections for all other tested PFAS.

Note: the Great Lakes Water Authority (Southwest) and Wyandotte CWSs utilize the Detroit River as their source.

There are no noncommunity water supplies providing water to the public near the AOI.