

HASTINGS PFAS TREATMENT & WATER LINES



April 15, 2024

HF3115 (Hudella) Hastings



PFAS Concern – PFOA & PFOS

- Clean and safe drinking water among highest of priorities
- Hastings entire water supply is compromised with no other feasible options but treatment to serve 23,000 people
- We've done everything we can to this point and now need help.
- No individual should have to drink water that exceeds federal law

Well No.	PFOA – QRAA Concentration (PPT)	PFOS – QRAA Concentration (PPT)	EPA MCL (PPT)	MDH Epidemiology (PPT)
3	10.5		PFOA = 4 PFOS = 4 *Rule Issued 4/10/2024	PFOA = 0.0079 PFOS = 2.3
4	3.1			
5	17.5			
6	5.5			
7	6.8	4.3		
8	21.8	3		

Project Description

- 3 PFAS & Nitrate Decentralized Treatment Plants with associated water main piping
 - ▣ Includes GAC for PFAS removal and IX for Nitrate removal
 - ▣ Phased in from 2024 to 2027 if we find funding now
- Interconnect with the MN Veterans Home
- Shovel Ready
 - ▣ Currently in design, ready to bid in summer 2024
 - ▣ Not asking for temporary treatment or bottled water

WTP No. 1 Site Layout



3D PFAS Treatment Plant



Expensive Fix

- \$68.9M Total Project Cost
- Up to \$1M annually O&M
- Water rates would double in 2 years, triple in 4 years
 - ▣ Continue to increase to 248% increase in 10 years
 - ▣ Highest compared to Metro area
 - ▣ Among highest compared to Greater MN
- Threat to degrade City's AA+ bond rating
 - ▣ Impacting cost of all future City projects

Hastings Excluded from State's 2018 Settlement with 3M

- Despite proximity and similar PFAS contamination levels
- 2018 3M Settlement Agreement does not require direct connection
- Minnesota Conceptual Drinking Water Supply Plan does not require direct connection
- 2007 Consent Order does require direct connection
 - ▣ Current investigation by MPCA and 3M have identified a fingerprint of one disposal site to one Hastings well and MGS mapped fault lines across the river and into Hastings (investigation remains ongoing)

Hastings Local Contribution

- Completed Feasibility Study to address the problem
- City land estimated at \$230K
 - ▣ also saves time and cost of land acquisition
- Raw Water Main Piping already installed for 1 site at nearly \$700K
- \$3.18M Grant for Design of Water Treatment Plants
- Continue to pursue other funds
 - ▣ Positioning on PPL and IUP for DWRF Emerging Contaminants Grant
 - ▣ Federal Community Project Funding
- \$1M annually for O&M
 - ▣ Note the State's 3M Settlement covers 20 years O&M for our East Metro neighbors

Request for Funding

- Total Project Cost \$68.9M
 - ▣ Propose to phase at 1 water treatment plant per year for 3 years
- Phase 1 Cost \$20.6M
 - ▣ Builds 1st of 3 required water treatment plants
 - ▣ Interconnects the Minnesota Veterans Home
 - Private system exceeding the new EPA MCLs
 - Expedited timeline (breaking ground in 2025) or risks losing federal funds
- State can recover funds under Statute and has examples of having done so in the past
 - ▣ Pending determining the Responsible Party
 - ▣ Current investigation with 3M showing promise on hydrogeologic connections