

Water is Life

Ann Arbor Environmental Commission

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Improving Water Quality in the Ann Arbor Region

- **Drinking Water**
 - Huron River intake on Barton Pond (~85%)
 - Well Field (~15%)
- **Stormwater**
 - Creek drainage from City
- **Groundwater**
 - Contamination plumes
- **WasteWater & Biosolids**
 - City Waste Water Treatment Plant (WWTP)

Drinking Water

- **Threats to Upstream Huron River Water Quality**
 - **Industrial & Commercial**
 - **Tribar** PFAS and Chromium-6 contaminations
 - **???**Other NPDES permit holders**???** Non-NPDES sources**??**
 - **Agricultural**
 - Pesticides and Nutrients
 - Mostly from Arms & Boyden (49%), Mill (48%), Davis (41%), and Portage (33%) Creeks
 - **Residential**
 - Consumer Goods and Nutrients
 - PFAS, Endocrine Disruptors, Pesticides

Stormwater

- **Threats from Stormwater: Impervious Surfaces**
 - Road Salt Chloride
 - Nutrients
 - Fertilizer Phosphorus and Nitrogen
 - Pet Wastes
 - Others
 - Petroleum products & Coal Tars
 - Miscellaneous Chemicals (Window Washing fluids, etc.)
 - Micro- and Nano-plastics

Groundwater

- **Threats to Groundwater: Pervious surfaces**
 - “Gelman” 1,4-Dioxane Plume
 - Chlorinated Solvents (TCE, etc.)
 - PFAS contaminations of Composts & Biosolids
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Wastewaters & Biosolids

- **Threats to Treated Wastewater and Biosolids Discharges**
 - Industrial Pre-Treatment Permits (IPP)
 - University of Michigan
 - Legacy Landfill
 - Consumer Goods (PFAS, Endocrine Disruptors, Sunscreens, etc.)

Informational Resources

- **Huron River Watershed Council** (www.hrwc.org)
- **SEMCOG** (<https://semcog.org/water>)
- **EGLE: State of Michigan** (<https://www.michigan.gov/egle>)
 - MiWaters (<https://www.michigan.gov/egle/about/organization/water-resources/miwaters-site-map-explorer>)
 - NPDES permits <https://www.michigan.gov/egle/about/organization/water-resources/npdes>
 - WWTP-IPP Permits <https://www.michigan.gov/egle/about/organization/water-resources/industrial-pretreatment>
 - MPART (PFAS only) <https://www.michigan.gov/pfasresponse>
- **Great Lakes Commission** (<https://www.glc.org>)
 - Water Quality <https://www.glc.org/work/water-quality>
- **EPA**
 - Clean Water Act (1972) <https://www.epa.gov/laws-regulations/summary-clean-water-act>
 - Safe Drinking Water Act (1976) <https://www.epa.gov/sdwa>

?Environmental Commission Initiatives?

- **Resolutions**

- H.R. 4314 Re-empowerment of Michigan Polluter Pay Laws
- Gelman 1,4-dioxane plume cleanup (Ongoing)
- ?? Ban PFAS in consumer products (Ban the Ban on Bans)

- **Ordinance drafts**

- TBD

- **Exploration and Public Discussion**

- Water Quality WG attending HRWC bimonthly meetings
- City Response to Lawsuits
 - Consent Judgement for Nutrient Pollution (by April 2023)
 - Stormwater Utility Lawsuit (\$13M hit to A2 annual budget?)

