

Strategy 1: Industrial Pre-Treatment Program (IPP)

Facility-Specific Reductions of PFOS Concentrations

Selected industrially impacted facilities

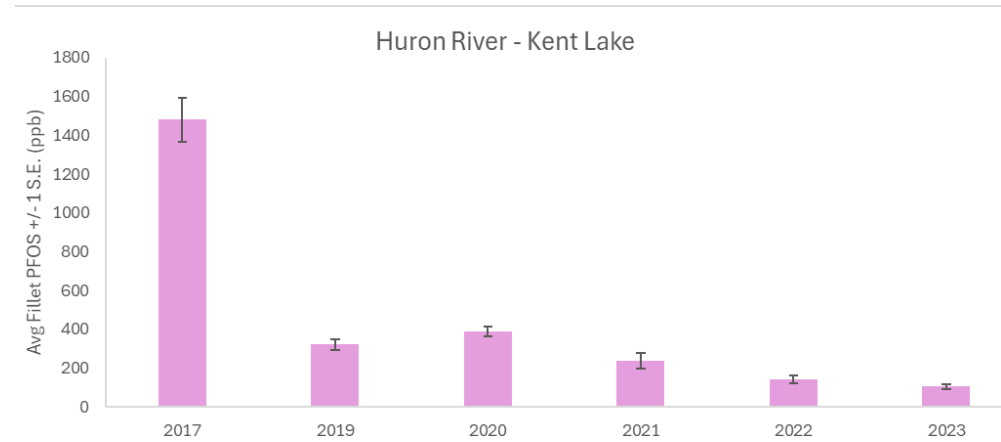
Municipal WWTP	Highest Effluent PFOS (ppt)	Most Recent* Effluent PFOS (ppt)	PFOS Reduction in Effluent	2018 Biosolids PFOS (ppb)	2023 Biosolids PFOS (ppb)	PFOS Reduction in Biosolids
WWTP #50	540	3.6	99%	983	14	99%
WWTP #14	360	4.72	99%	1060	27	97%
WWTP #57	2000	7.24	99%	1680	23	99%
WWTP #54	240	6.5	93%	387	NA	84%
WWTP #92	4800	3.9	99%	2150	17	99%

Reductions observed in fish

following source control at industrially impacted municipal WWTPs

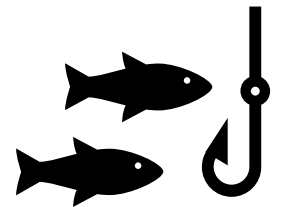
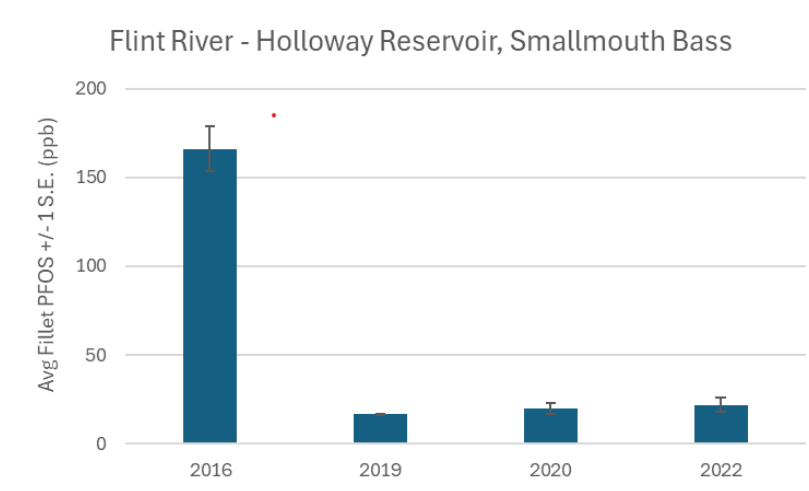
HURON RIVER

90% reduction in average PFOS concentrations in smallmouth bass in Kent Lake (WWTP #92)



FLINT RIVER

87% reduction in PFOS concentrations in smallmouth bass in the Holloway Reservoir (WWTP #57)

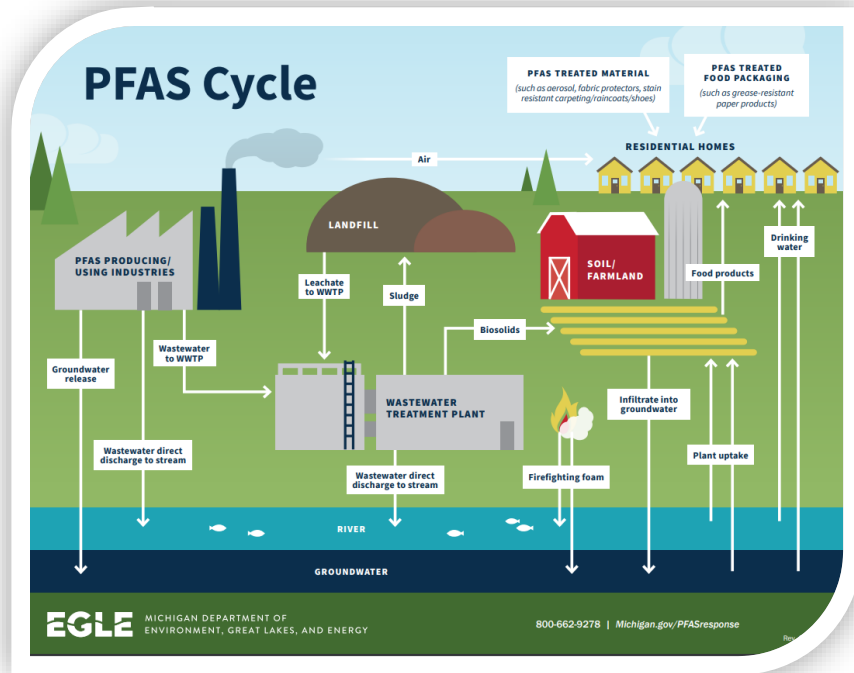


Strategy 2: Biosolids

2024 Interim Biosolids Strategy

Based on the PFOS and/or PFOA results (Class A and Class B):

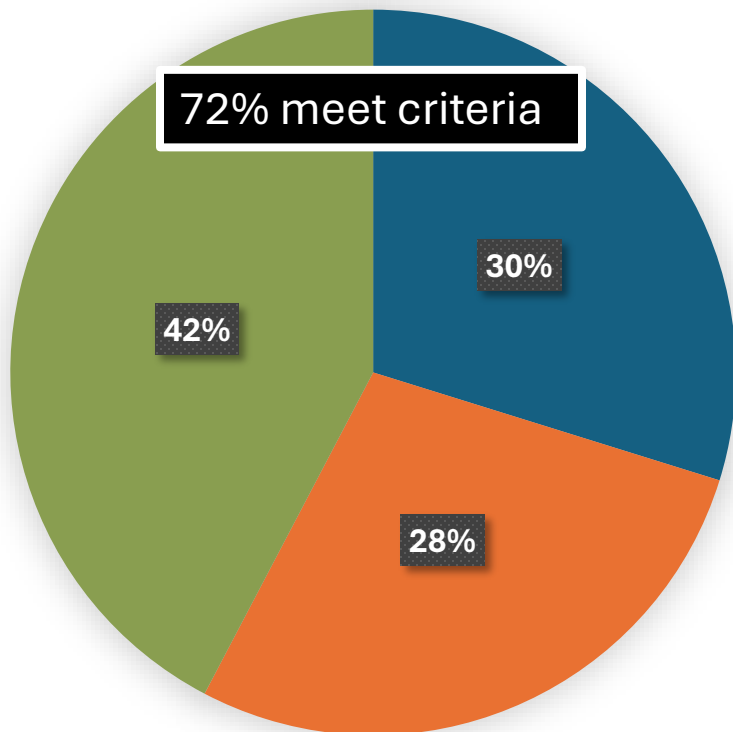
- **Below 20 ppb**
 - No restrictions
- **20 ppb to 100 ppb**
 - Required to mitigate during land application
 - Required to reduce land application rate
 - Required to sample effluent and identify sources
- **At or above 100 ppb**
 - Land application prohibited
 - Deemed Industrially Impacted
 - Required to sample effluent and identify sources



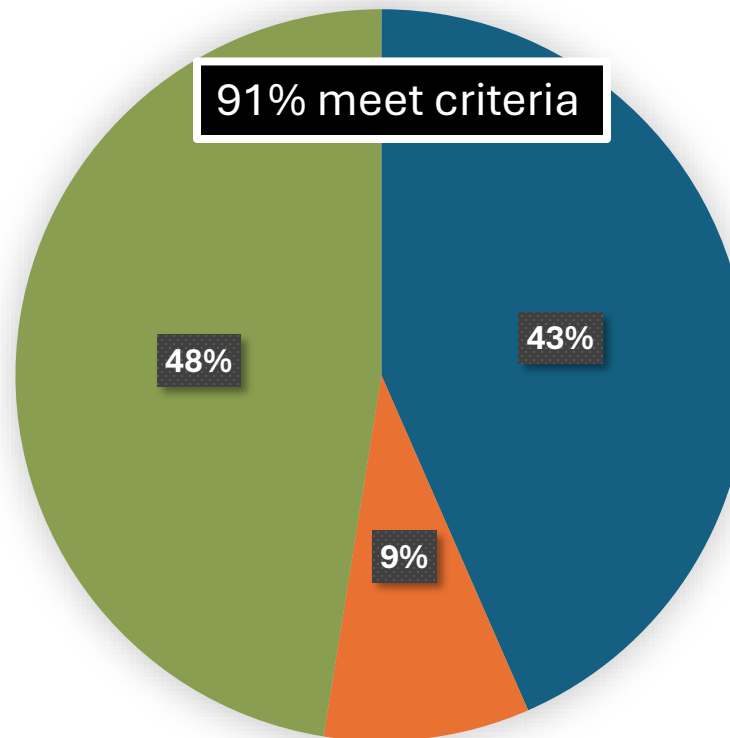
Driving Compliance

PFOS Water Quality Value for industrially impacted WWTPs

December 2019



July 2024



- WWTP Discharge meets PFOS criteria; PFOS source(s) identified
- WWTP Discharge Does Not meet PFOS criteria; PFOS source(s) identified
- No source(s) of PFOS identified