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Booneville WTP
ATTN: Mr. David Hall

Re: Booneville WTP– Finished Water PFAS Analysis

Mr. Hall,

Analytical results for per- and polyfluoroalkyl substances (PFAS) from samples collected recently from the above referenced water treatment plant are included with this transmittal. Although there are currently no final regulatory limits for PFAS, the US Environmental Protection Agency (US EPA) has released draft maximum contaminant levels (MCLs) for drinking water, as well as interim or final drinking water health advisory thresholds (HAs) for the PFAS in the table below. At present, there are no regulatory requirements relating to these specific PFAS, and the results in this email do not have to be included in Consumer Confidence Reports.

The Department for Environmental Protection’s laboratory did not detect any of the 31 PFAS that were tested for in this study (see table below and attached laboratory report).

Acronym	Name	Results		Draft MCL	Health Advisory (ng/L)
		ng/L	Hazard Index		
PFOA	Perfluorooctanoic acid	ND	NA	4.0 ng/L	0.004*
PFOS	Perfluorooctane sulfonic acid	ND	NA	4.0 ng/L	0.02*
GenX	Hexafluoropropylene oxide dimer acid	ND	HI = 0	Hazard index = 1.0 (unitless)	10
PFBS	Perfluorobutane sulfonic acid	ND			2000
PFNA	Perfluorononanoic acid	ND			NA
PFHxS	Perfluorohexane sulfonic acid	ND			NA

*: interim health advisory thresholds, NA: not applicable, ND: not detected

Please note that PFAS results for finished drinking water samples can be affected by any treatment that may have been in use at the time of sampling, as well as the particular water sources in use. Additionally, the HAs for PFOA and PFOS are below laboratory detection limits so it is still possible to have these compounds in drinking water at levels that may be of concern over a lifetime of exposure based on US EPA guidance.

Thank you for assisting the Division of Water in proactively evaluating the state’s drinking water for PFAS. Please review these results and contact PFAS@ky.gov if you have any questions or concerns.

Sincerely,

Carey Johnson, Director
Division of Water

