



Monthly independent lab testing results for disinfection by-products (DBPs) in NTMWD water transmission sampling locations represent a cross-section of average water ages in the NTMWD transmission system

(TTHM)	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Average	MCL*
South System near Plano	46 ppb	45 ppb	37 ppb	33 ppb	27 ppb	29 ppb	36 ppb	80 ppb annual avg
East System near Royse City	44 ppb	53 ppb	52 ppb	37 ppb	29 ppb	28 ppb	40 ppb	80 ppb annual avg
South System near Forney	42 ppb	51 ppb	40 ppb	35 ppb	38 ppb	35 ppb	40 ppb	80 ppb annual avg
(HAA5)								
South System near Plano	35 ppb	28 ppb	26 ppb	23 ppb	15 ppb	13 ppb	23 ppb	60 ppb annual avg
East System near Royse City	25 ppb	25 ppb	31 ppb	21 ppb	14 ppb	16 ppb	22 ppb	60 ppb annual avg
South System near Forney	21 ppb	18 ppb	20 ppb	21 ppb	16 ppb	14 ppb	18 ppb	60 ppb annual avg

* Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water.

ppb = Micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water

"There may be an increase in the level of disinfection by-products being formed during this short time. Health concerns related to disinfection by-product formation are based on prolonged exposure, and the conversions typically only last two to four weeks at a time. Limited scientific studies following shorter-term exposure to disinfection byproducts have been published that did not find any association between exposure and dermatitis (skin rashes)."

– TCEQ Facts about Drinking Water Disinfection and the Free Chlorine Conversion Process

"Disinfection byproducts at the concentrations in drinking water would not be expected to cause adverse health effects. The EPA regulates disinfection byproducts such as Trihalomethanes to concentrations sufficiently low so they will not cause health effects."

– Scott Phillips, MD, Medical Toxicologist.