WH SERVICES

WATER CONTAMINANTS IN DEER PARK, WASHINGTON

CONTAMINANT	THIS UTILITY	EWG'S GUIDELINES	LEGAL LIMIT	POTENTIAL HARM	POSSIBLE SOURCE
Arsenic	4.22 ppb	0.004 ppb	10 ppb	cancer	erosion of natural deposits
Bromodichloromethane	0.773 ppb	0.06 ppb	NO LEGAL LIMIT	cancer	disinfectant byproduct
Chloroform	0.910 ppb	0.4 ppb	NO LEGAL LIMIT	kidney & liver damage	wastewater plants
Dibromochloromethane	1.24 ppb	0.01 ppb	NO LEGAL LIMIT	cancer	runoff from landfills
Nitrate	3.20 ppm	0.14 ppm	10 ppm	cancer	erosion of natural deposits
Nitrate & nitrite	3.17 ppm	0.14 ppm	10 ppm	cancer	erosion of natural deposits
Perfluorodecanoic acid (PFDA)	0.273 ppt	0.006 ppt	4 ppt	cancer	industrial manufacturing
Perflourohexane sulfonate (PFHXS)	0.696 ppt	0.001 ppt	10 ppt	liver & horomone effects	industrial manufacturing
Perfluorononacnoic acid (PFNA)	0.640 ppt	0.006 ppt	10 ppt	cancer	industrial manufacturing
Perfluoroctane sulfonate (PFOS)	2.16 ppt	0.3 ppt	4 ppt	liver & thyroid damage	industrial manufacturing
Perfluorooctanoic acid (PFOA)	0.569 ppt	0.09 ppt	4 ppt	cancer	industrial manufacturing
Radium, combined (-226 & -228)	0.69 pCi/L	0.05 pCi/L	5 pCi/L	cancer	erosion of natural deposits
Total PFAS and PFOA	6.32 ppt	0.007 ppt	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing
Total trihalomethanes (TTHMs)	3.68 ppb	0.15 ppb	80 ppb	cancer	disinfectant byproduct
Barium	60.8 ppb	700 ppb	2,000 ppb	gastrointestinal issues	erosion of natural deposits
Bromoform	0.757 ppb	0.5 ppb	NO LEGAL LIMIT	unconsciousness	erosion of natural deposits
Fluoride	0.101 ppm	NO GUIDELINE	4 ppm	skeletal fluorosis	fluoridation or groundwater
Manganese	1.08 ppb	100 ppb	NO LEGAL LIMIT	brain & nervous system harm	groundwater
Perfluorobutane sulfonate (PFBS)	0.592 ppt	2,000 ppt	NO LEGAL LIMIT	cancer	industrial discharge
Perfluorobutanoic acid (PFBA)	0.101 ppt	1,000 ppt	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing
Perfluoroheptanoic acid (PFHPA)	0.0900 ppt	1,000 ppt	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing
Perfluorohexanoic acid (PFHxA)	0.175 ppt	1,000 ppt	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing
Perfluoropentanoic acid (PFPeA)	0.178 ppt	1,000 ppt	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing
PFOS + PFOA + PFHxS + PFNA	9.48 ppt	NO GUIDELINE	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing

SOURCE: Environmental Working Group