

2011 Consumer Confidence Report

For Malmstrom AFB

Reauthorization of the Safe Drinking Water Act in 1996 created a requirement for all community public water systems to provide their customers with an annual consumer confidence report (CCR) detailing the quality of their drinking water. The City of Great Falls supplies all the base's drinking water which means the Malmstrom AFB drinking water system is "consecutive" to the city's system. The attached 2011 Great Falls CCR lists the contaminants tested for by the City of Great Falls Water Utility. In addition, the Malmstrom AFB Bioenvironmental Engineering (BE) Office also completed water quality monitoring. The table below lists the contaminants that were tested for and the corresponding results.

EPA issued an Administrative Order (AO) in June 2010, which required the Base to reduce Halo Acetic Acids (HAA5) concentrations. HAA5's are a group of by products that are produced by the disinfection process. The Base must comply with the HAA5 for four (4) consecutive quarters in order to resolve the AO. Malmstrom AFB has not exceeded the Maximum Contaminant Level (MCL) for HAA5 in 2011 and the EPA closed the AO on 18 July 2011.

For any questions, more information on this notice, or a printed copy of this CCR, please contact Captain Crystalyn Brown, BE Element Chief at 406-731-4406 or write Bioenvironmental Engineering at 341 MDOS/SGOJ, 7300 N. Perimeter Rd., Malmstrom AFB, MT 59402. Printable versions can also be obtained through a link on www.malmstrom.af.mil or an internet link published in the base newspaper, the *Front Range Guardian*.

Detected Regulated Contaminants -- Malmstrom Drinking Water Distribution System

Contaminant	Maximum Contaminant Level Goal	Maximum Contaminant Level (MCL) or Action Level (AL)	Units	Reported Value	Range	Violation	Sample Date	Typical Contamination Source(s) and Notes
Asbestos	7	7	million fibers per liter	ND ^a	ND	none	2004	Concrete pipelines. No analysis showed reportable asbestos. Next sample round due in 2013.
Copper	1.30	1.30	milligrams per liter (mg/L)	0.62 (90 th percentile)	0.074 - 1.42	none	July - August 2010	Corrosion of household plumbing systems, erosion of natural deposits, leaching from wood preservatives. No sample exceeded the AL. Next sample round due in 2012.
Lead	0.000	0.015	mg/L	0.002 (90 th percentile)	ND - 0.002	none	July - August 2010	Corrosion of household plumbing systems, erosion of natural deposits. No sample exceeded the AL. Next sample round due in 2012.
Haloacetic Acids (HAA5)	n/a ^b	60	micrograms per liter (ug/L)	39 (highest 2011 reported value)	29-39	none	1/28/11, 4/04/11, 9/19/11, 12/1/11	Byproduct of disinfectant reaction with source water. No reported value exceeded the MCL.
Total Trihalomethanes (TTHM)	n/a	80	ug/L	54 (highest 2011 reported value)	46-54	none	1/28/11, 4/04/11, 9/19/11, 12/1/11	Byproduct of disinfectant reaction with source water. No reported value exceeded the MCL.
^a non-detectable ^b not applicable								