



**DEPARTMENT OF THE AIR FORCE
28TH MEDICAL OPERATIONS SQUADRON (AFGSC)
ELLSWORTH AIR FORCE BASE SOUTH DAKOTA**

22 October 2018

MEMORANDUM FOR 28 BW/PA

FROM: 28 MDOS/SGOJ

SUBJECT: October 2018 Compliance Water Monitoring Results

1. During the month of October 2018, the Bioenvironmental Engineering Flight (BEF) collected eight routine samples with an additional six samples from state approved sites. Sampling is performed each month based on monitoring frequency requirements outlined in AFI 48-144, *Drinking Water Surveillance Program*, Para 4.1., and South Dakota Department of Environmental and Natural Resources (SD DENR) guidance. Below is a summary of samples collected in the month of October.

Site	Chlorine	pH	Bacteriological	Fecal
Bldg. 7712, (Youth Center)	0.8	7.7	Absent	Absent
Bldg. 8003 (CDC)	0.7	7.5	Absent	Absent
132 Maple Drive	1.0	7.6	Present	Absent
477 Roosevelt Drive	0.7	7.6	Present	Absent
Bldg. 7251 (Flight line Control Room)	0.4	7.5	Absent	Absent
Bldg. 9025 (CATM)	0.9	7.7	Absent	Absent
Bldg. 7430 (ALS)	0.8	7.7	Absent	Absent
Bldg. 7104 (Control Tower)	0.7	7.7	Absent	Absent
132 Maple Drive (Resample)	1.1	7.7	Absent	Absent
134 Maple Drive (Upstream)	1.0	7.5	Absent	Absent
130 Maple Drive (Downstream)	0.6	7.5	Absent	Absent
477 Roosevelt Drive (Resample)	0.8	8.0	Absent	Absent
482 Roosevelt Drive (Upstream)	0.6	7.6	Absent	Absent
475 Roosevelt Drive (Downstream)	0.8	7.5	Absent	Absent

2. Drinking water standards set by the Environmental Protection Agency (EPA) and SD DENR, prescribe acceptable levels of chlorine and pH within a water system. Chlorine residual is maintained between 0.2-2.0 mg/L and pH at levels between 6.5 and 8.5. The Maple Drive and Roosevelt Drive water samples were initially determined to be positive for total coliform. Upon notification, the BEF collected three repeat samples from each location, one from the original sampling point, one from an upstream connection and one from a downstream connection to verify results. The samples were sent to the certified Laboratory, and the results were determined to be absent for total coliform and E.coli. Please contact the BEF at 385-3172 with any questions.

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