



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

28 September 2018

MEMORANDUM FOR 28 BW/PA

FROM: 28 MDOS/SGOJ

SUBJECT: September 2018 Compliance Water Monitoring Results

1. During the month of September 2018, the Bioenvironmental Engineering Flight (BEF) collected eight routine samples with an additional three 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 September.

Site	Chlorine	pH	Bacteriological	Fecal
Bldg. 7712, (Youth Center)	1.1	7.5	Absent	Absent
Bldg. 8003 (CDC)	0.9	7.4	Absent	Absent
Bldg. 102 (Vehicle Maintenance)	1.0	7.4	Absent	Absent
Bldg. 923 (Pump House)	1.0	7.4	Absent	Absent
Bldg. 4500 (Bandit Lanes)	0.9	7.5	Present	Absent
Bldg. 1991 (HAZMART)	0.8	7.4	Absent	Absent
Bldg. 7510 (Deployment Center)	0.9	7.4	Absent	Absent
Bldg. 88240 (Munitions Armament)	0.8	7.5	Absent	Absent
Bldg. 4500 (Bandit Lanes) Resample	0.8	7.4	Absent	Absent
Bldg. 4610 (Arts and Crafts) Upstream	0.7	7.5	Absent	Absent
Bldg. 4400 (Security Forces) Downstream	0.7	7.3	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 Bandit Lanes water sample was initially determined to be positive for total coliform. Upon notification, the BEF collected three repeat samples, 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 lab, 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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