



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



14 March 2017

MEMORANDUM FOR 28 BW/PA

FROM: 28 MDOS/SGOJ

SUBJECT: March 2017 Compliance Water Monitoring Results

1. During the month of March 2017, the Bioenvironmental Engineering Flight (BEF) collected eight 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 February.

Site	Chlorine	pH	Bacteriological	Fecal
Bldg. 102, Vehicle Maintenance	1.0	7.7	Absent	Absent
Bldg. 88240, MUNS	0.9	7.7	Absent	Absent
Bldg. 8003, CDC	1.0	7.7	Absent	Absent
Bldg. 7712, Youth Center	0.6	7.8	Absent	Absent
Bldg. 7510, Deployment Center	1.1	7.7	Absent	Absent
Bldg. 923, Pump House	0.8	7.8	Absent	Absent
Bldg. 7104, Control Tower	1.0	7.6	Absent	Absent
Bldg. 7251, Flightline Control Room	1.0	7.8	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. All samples are in compliance with EPA and state standards. Please contact the BEF at 385-3172 with any questions.

JAMES D. REILLY, Capt, USAF, BSC  
Flt/CC, Bioenvironmental Engineering



**MIDCONTINENT**

TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709  
(605) 348-0111 -- www.thechemistrylab.com

Purpose: Routine

Received: 03/01/17 at 04:10 PM  
by Dean Aurand

Account: 8852

Ellsworth A.F.B.

BIOENVIRONMENTAL ENGINEERING  
ELLSWORTH AFB  
2900 DOOLITTLE DR  
ELLSWORTH AFB, SD 57706-4814

**MUNICIPAL DRINKING WATER REPORT**

EPA #	SITE #	SAMPLE SITE	SAMPLE POINT	SAMPLE DATE & TIME	TOTAL COLIFORM SM 9223 B (P/A)	E. COLI SM 9223 B (P/A)	FIELD TESTS		ANALYST	LAB NUMBER
							RESIDUAL CL	PH		
8004	000	Vehicle Maintenance		03/01/2017 01:25 PM	Absent	Absent	1 mg/L	7.7 S.U.	JMH 03/01/2017	20170301853
8004	000	Bldg. 88240		03/01/2017 02:30 PM	Absent	Absent	0.9 mg/L	7.7 S.U.	JMH 03/01/2017	20170301854
8004	010	Youth Center		03/01/2017 01:00 PM	Absent	Absent	0.6 mg/L	7.8 S.U.	JMH 03/01/2017	20170301855
8004	000	Deployment Center		03/01/2017 01:40 PM	Absent	Absent	1.1 mg/L	7.7 S.U.	JMH 03/01/2017	20170301856
8004	000	Pump House #923		03/01/2017 03:15 PM	Absent	Absent	0.8 mg/L	7.8 S.U.	JMH 03/01/2017	20170301857
8004	000	Control Tower		03/01/2017 03:30 PM	Absent	Absent	1 mg/L	7.6 S.U.	JMH 03/01/2017	20170301858
8004	000	BLDG 8003 CDC		03/01/2017 02:55 PM	Absent	Absent	1 mg/L	7.7 S.U.	JMH 03/01/2017	20170301859
8004	000	Flightline Control Room		03/01/2017 02:00 PM	Absent	Absent	1 mg/L	7.8 S.U.	JMH 03/01/2017	20170301860

REPORT APPROVED BY:

*Steve Pistan*

REPORT APPROVED DATE:

3/3/2017 8:41:08 AM

DATE PRINTED:

03/03/2017 08:41 AM