

In reply
refer to:

OFFICE OF THE POST MEDICAL INSPECTOR
STATION HOSPITAL

CEL/ml

721.5

Fort Huachuca, Arizona,
April 5, 1943.

SUBJECT: Monthly Sanitary Report.

TO : The Commanding Officer, Fort Huachuca, Arizona.
Thru: The Post Surgeon.

1. In compliance with Par. 1c, AR 40-275 as amended by Section III, War Department Circular No. 114, dated June 13, 1941 and letter, the Surgeon General, file 721.5, subject as above, and War Department Circular Letter No. 76, file SPMCA, dated July 27, 1942, the following report on sanitary conditions of the command for the month of March, 1943, is submitted:

a. ENVIRONMENTAL SANITATION

(1) Water Supply

- (a) The water supply was sufficient and of satisfactory quality.
- (b) The sources used during the month were Garden Canyon and Huachuca Canyon Springs and Wells Nos. 1, 2, 3, and 4. Well No. 5 was not pumped excepting for sampling.
- (c) All water for drinking was chlorinated. Chlorine residuals run from 0.05 to 1.0 ppm; the former from a house faucet at the end of a small line, the latter from near a main not far from a chlorinator. The average observed was above 0.4 ppm throughout the Post.

<u>Sampled at Sources (Raw Water)</u>	<u>Water Quality</u>	
	<u>Potable</u>	<u>Non-Potable</u>
Garden Canyon Springs	15	7
Huachuca Canyon Springs	6	13
Well No. 1	9	0
Well No. 2	5	5
Well No. 3	3	0
Well No. 4	12	0
Well No. 5	2	0
<u>Sampled in System (Chlorinated)</u>		
Officers' homes on Old Post	10	0
Apache Flats District	8	0
Lower Cantonment Area	10	1
Garden & Huachuca Canyon Springs	2	0

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(2) Sewage Disposal

(a) All sewage was treated during the month. None was by-passed.

(b) Flows treated:	<u>Plant No. 1</u>	<u>Plant No. 2</u>
Maximum rate	1,400 MGD	2,940 MGD
Minimum rate	0.028	0.140
Average rate	0.410	0.840

(c) Efficiency of treatment (monthly averages)

<u>Suspended solids</u>	<u>Plant No. 1</u>	<u>Plant No. 2</u>
Raw Sewage	256 PPM	303 PPM
Primary effluent	101	98
Reduction	60%	67%
Final effluent		75 PPM
<u>5 day BOD</u>		
Raw Sewage	230 PPM	230 PPM
Primary effluent	110	132
Reduction	52%	42%
Final effluent		84 PPM

(3) Milk Examination

(a) Milk from Post Dairy Farm was found within allowable limits for standard plate counts of the USPHS for both raw and pasteurized samples.

(b) Milk from an outside source was sampled 7 times during the month. The plate counts on 5 of these were within USPHS limits for Grade B pasteurized milk. Of the other 2 only one had a count sufficiently high to be unsatisfactory for drinking.

(4) Garbage and Waste Disposal

(a) Some improvement in the burial of garbage has been affected by limiting depth of deposit in the pits to within one foot of the top. This helps prevent overflow of liquor onto original ground beside the pits, under weight of earth backfilled to cover the garbage. It was suggested also that dumping be from the lower end of the pit toward the upper to reduce ponding of wastes in the open pits. This is being done.

(5) Rodent and Insect Control

(a) Pyrethrum kerosene mixture has been effectively employed against roaches in several kitchens. Powdered borax is now being spread as permanent deterrent in mess halls.

(6) Food Supplies

See Supplementary Report No. 1

b. PERSONAL HYGIENE

See venereal disease Supplementary Report No. 2

c. ACUTE COMMUNICABLE DISEASES

(1) Sporadic cases of measles, mumps, chickenpox, occurred but not in epidemic proportions. Outbreaks of mumps in two QM battalions were successfully confined to those units by working quarantines.

(2) For admissions to hospital during March see Supplementary Report No. 3.

d. MONTHLY VETERINARY SANITARY REPORT

(1) See Supplementary Report No. 4.

e. ADMINISTRATIVE MEASURES AND SANITARY DEVICES.

(1) None

f. RECOMMENDATIONS

(1) None

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Incls: Water Analyses