

In reply
refer to:

OFFICE OF THE POST MEDICAL INSPECTOR
STATION HOSPITAL

TSC:ml

721.5

Fort Huachuca, Arizona,
1 November, 1943.

SUBJECT: Monthly Sanitary Report.

TO : The Commanding Officer, Fort Huachuca, Arizona.
Thru: The Director, Medical Division.

1. In compliance with par. 1c, AR 40-275, as amended by Section III, War Department Circular No. 1174, 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 October, 1943, is submitted:

a. ENVIRONMENTAL SANITATION

(1) General:

Environmental sanitation during the past month was satisfactory.

(2) Water Supply:

(a) Adequacy of supply: Water supply during the month was adequate; the flow from the springs decreased somewhat during the month and the major portion of the supply was obtained from the deep wells.

(b) Consumption data: (Potable water) Water consumption decreased slightly during the past month but the per capita consumption still continues to be relatively high:

Average daily consumption	2.5 MGD
Minimum daily consumption	2.0 "
Maximum daily consumption	3.7 "
Average per capita per day	122 Gals

(c) Bacteriology:

(1) Raw water before chlorination: Samples of water from the springs continue to be fairly good; all samples from wells were potable before chlorination.

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<u>Source of Sample</u>	<u>Potable</u>	<u>Questionable</u>
Springs	1	1
Wells	9	1
Total	10	2

- (2) Chlorinated water from distribution system:
 Samples were taken during the month from taps in all parts of the Post distribution system and all samples were satisfactory:

<u>Source of Sample</u>	<u>Potable</u>	<u>Non-Potable</u>
Cantonment	29	0
Old Post	9	0
Civilian Housing	1	0
Total	39	0

- (d) Chlorine residual: Chlorine residual continues to be satisfactory in all parts of the distribution system.

PPM Chlorine residual: Max. 0.75 Min. 0.2 Aver. 0.46

(3) Sewage treatment:

- (a) General: All sewage was treated during the month. The enlisted man mentioned in last month's report has now been permanently assigned for laboratory work at the sewage treatment plant. In his absence, however, results of treatment during the past month were not as good as they had been previously.

- (b) Flows treated: Flows treated during the past month were slightly lower than in previous months as shown below:

	<u>Plant No. 1</u>	<u>Plant No. 2</u>
Average rate	0.47 MGD	1.27 MGD
Maximum rate	1.23 "	2.87 "
Minimum rate	0.08 "	0.56 "

- (c) Efficiency of treatment: (Monthly Averages)

	<u>Plant No. 1</u>		<u>Plant No. 2</u>	
	Susp. Solids	BOD	Susp. Solids	BOD
Raw Sewage	193 ppm	227 ppm	126 ppm	233 ppm
Primary effluent	65 "	167 "	39 "	131 "
Reduction	67%	26%	67%	48%

(4) Milk:

- (a) General: Milk from both the Post Dairy and the dairy in Tucson was fairly satisfactory during the month.

- (b) Post Dairy: Milk from the Post Dairy showed a low bacterial count during the month, but certain conditions at the dairy plant are in need of correction. A portion of the repairs started last month have been completed.
- (c) Milk purchased from commercial dairies: One sample of the five taken during the past month showed a higher bacterial count than permissible. Phosphatase tests have been satisfactory. The quantity of delivery and refrigeration in transit was satisfactory. The Quartermaster has acquired a mechanically refrigerated truck-trailer for use in hauling the milk from Tucson and it is expected that this equipment will be put into service shortly.

(5) Garbage and Waste Disposal:

- (a) Garbage: During the past month there was an appreciative reduction in the quantity of garbage due in part to reduction of food waste in the Post. Practically all of the edible garbage was sold for hog feed and the remainder was buried in trenches in a satisfactory manner.
- (b) Combustible Wastes: Delivery of combustible waste to incinerators during the morning hours continues to exceed the capacity of the incinerators, and so requires burning in an adjacent dump. Unless deliveries to the incinerators can be better spaced, or an additional incinerator constructed, conditions will continue to be unsatisfactory.

(6) Insect and Rodent Control:

- (a) Mosquitoes: A few night-biting mosquitoes (culex) gave trouble during the past month. Breeding places have been located and instructions have been given for control.
- (b) Roaches: Roaches are still a problem in many of the mess halls and barracks. Control of these insects will not be effective until it is possible to obtain an increased issue of insecticide.
- (c) Bedbugs: During the first half of the month, approximately 20 buildings were fumigated for bedbugs. It is believed that the peak of this infestation has passed since no additional buildings requiring fumigation have been reported for the past two weeks.

(d) Rodents: There is no rodent problem at this Post.

(7) Food Supply: Food supplies during the month were satisfactory in general. No poultry has been issued for the eighth month. An increase in the quantity of sugar would result in a much more palatable diet for the particular type of troops at this Post. The attached supplementary report (No. 1) covers the problem of nutrition in greater detail.

(8) Other Phases of Environmental Sanitation: Housing, drainage, and general environmental sanitation are satisfactory.

b. PERSONAL HYGIENE:

A surprise physical inspection of all troops, SCU 1922, was made on October 29th. Details of the result of this inspection are given in the Venereal Disease Report; Supplementary Report No. 2.

c. ACUTE COMMUNICABLE DISEASE:

The incidence of all communicable diseases is satisfactorily low. For detailed report see Supplementary Report No. 3.

d. MONTHLY VETERINARY SANITARY REPORT:

See Supplementary Report No. 4.

e. ADMINISTRATIVE MEASURES AND DEVICES:

None.

f. RECOMMENDATIONS:

None.


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 Captain, Sanitary Corps,
 Post Medical Inspector.

Incls: MD Form 95-53
 Supplementary Reports
 Nos. 1, 2, 3, and 4.