

In reply refer to: OFFICE OF THE POST MEDICAL INSPECTOR STATION HOSPITAL TSC:ml
721.5 Fort Huachuca, Arizona, 1 December, 1943.

SUBJECT: Monthly Sanitary Report.

TO : The Commanding Officer, Fort Huachuca, Arizona. (Not)
Thru: The Director, Medical Division.

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 SPECA, dated July 27, 1942, the following report on sanitary conditions of the command for the month of November, 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 past month was adequate. Flow from the springs during the month was relatively small and most of the water supply was obtained from the deep wells.

(b) Consumption Data:(Potable Water)

Per capita consumption during the past month continued to be relatively high, indicating a considerable loss of water through waste or leakage.

Average daily consumption	2.4 MGD
Minimum daily consumption	1.7 "
Maximum daily consumption	2.9 "
Average per capita per day	116 Gal.

(c) Bacteriology:

(1) Raw water before chlorination: With the decreased flow from the springs the bacterial count has again increased. Samples from wells continue to be satisfactory.

721.5-1 (Fort Huachuca) ml

Source of Sample	Non Potable	Questionable	Potable
Springs	2	1	0
Wells	0	1	9
Total:	2	2	9

(2) Chlorinated water from distribution system:

Samples were taken during the month from all parts of the post distribution system and all samples were satisfactory.

Sources of Sample	Potable	Non-Potable
Old Post	7	0
Civilian Housing	2	0
Cantonment	26	0
Total	35	0

(d) Chlorine residual: Chlorine residuals were satisfactory in all parts of the distribution system.

PPM Chlorine residual: Max. 0.5, Min 0.2, Aver. 0.40

(3) Sewage Treatment:

(a) General: All sewage was treated during the month. Efficiency of treatment improved appreciably during the month due principally to suggestions made by a representative of Corps of Engineers, Headquarters Ninth Service Command, who visited the Post early in the month. During a portion of the month, one half of Plant No. 1 was operated without use of chemicals for precipitation. Results obtained were as good as had previously been obtained with the use of chemicals.

(b) Flows treated: Flows treated during the month are shown in the tabulation below:

	Plant No. 1	Plant No. 2
Average rate	0.69 MGD	1.13 MGD
Maximum rate	1.44 MGD	3.15 MGD
Minimum rate	0.03 MGD	0.14 MGD

(c) Efficiency of treatment: (Monthly average)

	Plant No. 1		Plant No. 2	
	Susp. Solids	BOD	Susp Solids	BOD
Raw Sewage	218ppm	340 ppm	199ppm	183 ppm
Primary Effluent	37 "	37 "	57 "	55 "
Reduction	83%	89%	71%	70%

(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 low bacterial counts and low phosphatase units during the month. Most of the repairs to the dairy plant started in September have now been completed, but sanitary conditions at the milking barn and plant are still not entirely satisfactory.
- (c) Milk purchased from commercial dairy: One sample during the past month showed a higher bacterial count than permissible. All phosphatase tests have been satisfactory. Quantity delivered and refrigeration in transit was satisfactory. The mechanically refrigerated truck recently acquired by the Post Quartermaster has not yet been put into service.

(5) Garbage and Waste Disposal:

- (a) Garbage: Quantity of garbage per capita during the past month remained approximately the same as during October. Due to the fact that there was insufficient garbage for all of the contractors purchasing the garbage for hog feed, the Salvage Officer has arranged for several of the smaller contractors to pick up garbage directly from the messes and has cancelled the contracts of certain contractors. This plan has not yet been in operation long enough to determine whether or not the system will be satisfactory.
- (b) Combustible Wastes: One of the two Post incinerators has been out of service for repairs during most of the month so that a large portion of the combustible waste has been burned on a dump near the incinerators. Conditions have not always been satisfactory and it is hoped the other incinerator can be returned to service within a few weeks. No progress has been made on better spacing waste delivery to the incinerators.

(6) Insect and Rodent Control:

- (a) Mosquitoes: The cooler weather during the past month has eliminated all mosquito nuisance.
- (b) Roaches: Roaches continue to be a serious problem in all Mess Halls and barracks. During the past month it has been impossible for some of the units to obtain even the authorized issue of insecticide.

- (c) Bedbugs: No buildings were fumigated for bedbugs during the past month and only two were reported as requiring fumigation; these during the last five days of the month.
- (d) Rodents: There was no rodent problem at this Post during the past month.
- (7) Food Supply: Food supplies during the past month were somewhat improved over preceeding months. The issue of turkey for Thanksgiving was excellent. The issue of poultry during the month added more variety to the diet than during preceeding months.
- (8) Other Phases of Environmental Sanitation: Housing, drainage, and environmental sanitation were generally satisfactory during the month. Many of the barracks were kept at unduly high temperatures and efforts are being made to correct this situation.
- b. PERSONAL HYGIENE: For detailed report on venereal diseases see Supplementary Report No. 2.
- c. ACUTE COMMUNICABLE DISEASES: The incidence of communicable disease is reasonably low with the exception of coccidiomycosis. This disease is limited to the Division Engineer battalion and was acquired during maneuvers in the Salt River Valley. The admissions of patients with this disease during the month were caused by delay in diagnosis.
- d. MONTHLY VETERINARY SANITARY REPORT: See Supplementary Report #4.
- e. ADMINISTRATIVE MEASURES AND DEVICES: None.
- f. RECOMMENDATIONS: None.


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Incls: MD Form 95-49 Sup. Reps.
 Nos. 1, 2, 3, and 4.